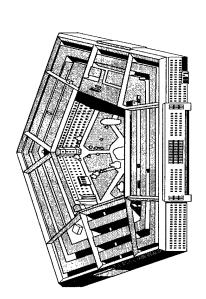
RDT&E PROGRAMS (R-1)





Department of Defense Budget

Fiscal Year 2005

February 2004 Office of the Under Secretary of Defense (Comptroller)

20050202 039

Preface

The RDT&E Programs (R-1) is derived from and consistent with the Comptroller Information System database.

transmittal of the President's Budget. This document is also provided to OASD (PA) for use by non-DoD The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the activities, and is available to the public on the Internet at http://www.dtic.mil/comptroller.

Office of the Under Secretary of Defense (Comptroller)

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DEPARTMENT OF DEFENSE

FY 2005 RDIGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

APPROPRIATION	FY 2003	FY 2004	FY 2005
Research, Development, Test & Eval, Army	7,594,576	10,201,354	10,435,557
Research, Development, Test & Eval, Navy	13,699,864	14,969,495	16,346,391
Research, Development, Test & Eval, AF	18,934,575	20,293,595	21,114,667
Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837
Operational Test & Eval, Defense	239,579	302,080	305,135
Total Research, Development, Test & Evaluation	58,307,309	64,693,222	68,941,587

Department of Defense

FY 2005 RDTGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	1,368,607	1,403,900	1,330,078
Applied Research	4,268,749	4,423,216	3,877,745
Advanced Technology Development	5,091,158	6,254,129	5,342,527
Advanced Component Development & Prototypes	10,636,978	13,305,818	15,351,870
System Development & Demonstration	13,392,610	15,902,316	19,270,725
RDT&E Management Support	4,046,437	3,277,828	3,260,574
Operational Systems Development	19,502,770	20,126,015	20,508,068
Total Research, Development, Test & Evaluation	58,307,309	64,693,222	68,941,587
Summary Recap of FYDP Programs			
Strategic Forces	227,691	301,797	374,709
General Purpose Forces	3,924,872	4,271,548	4,919,418
Intelligence and Communications	13,518,630	13,865,081	13,807,793
Mobility Forces	642,828	770,491	835,980
Guard and Reserve Forces	8,553	4,600	
Research and Development	39,052,984	44,277,739	47,947,540
Central Supply and Maintenance	341,650	396,420	248,734
Training Medical and Other	299	3,230	3,372
Administration and Associated Activities	123,749	202,755	310,404
Support of Other Nations	4,143	28, 695	34,939
Special Operations Forces	461,910	570,866	458, 698
Total Research, Development, Test & Evaluation	58,307,309	64,693,222	68,941,587

DEPARTMENT OF THE ARMY

FY 2005 RDIGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	242,924	381,593	317,506
Applied Research	852,485	1,039,845	651,192
Advanced Technology Development	1,095,874	1,205,226	814,615
Advanced Component Development & Prototypes	944,163	920,801	734,493
System Development & Demonstration	2,430,934	4,663,567	6,129,313
RDT&E Management Support	954,015	893,813	859,298
Operational Systems Development	1,074,181	1,096,509	929,140
Total Research, Development, Test & Eval, Army	7,594,576	10,201,354	10,435,557
Summary Recap of FYDP Programs			•
Strategic Forces	33,489	58,397	81,514
General Purpose Forces	546,244	541,560	410,551
Intelligence and Communications	320,295	326,298	270,825
Research and Development	6,614,798	9,188,748	9,603,839
Central Supply and Maintenance	990'62	85,853	68,233
Administration and Associated Activities	181		
Support of Other Nations	. 503	498	595
Total Research, Development, Test & Eval, Army	7,594,576	10,201,354	10,435,557

DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM

Date: FEB 2004 EXHIBIT R-1

Army
Eval,
Test £
Development,
Research,
2040A
APPROPRIATION:

ri ne	Program Element			Thousan	Thousands of Dollars		W Ed	
S.	Number	Item	Act	FY 2003	FY 2004	FY 2005	וטו	
7	0601101A	In-House Laboratory Independent Research	Н	20,255	23,914	23, 971	D	
7	0601102A	Defense Research Sciences	· H	138,432	156,146	131,206	D	
m	0601103A	University Research Initiatives	Ħ		85,242	75,133	Ð	
4	0601104A	University and Industry Research Centers	FT.	84,237	98,786	77,658	Ð	
2	0601105A	Force Health Protection	· ਜ		16,505	9,538	D	
	Basic Research	search		242,924	381,593	317,506		
9	0602105A	Materials Technology	7	35,041	39,972	15,385	· D	
7	0602120A	Sensors and Electronic Survivability	7	21,700	25,230	25, 629	Þ	
œ	0602122A	TRACTOR HIP	7	6, 322	5,649	6,627	D	
6	0602211A	Aviation Technology	8	39,163	39,172	41,629	D	
10	0602270A	Electronic Warfare Technology	7	17,002	16,471	18,034	Đ	
11	0602303A	Missile Technology	7	52,793	91,560	51,993	Þ	
12	0602307A	Advanced Weapons Technology	7	19,785	14,706	16,641	Ð	
13	0602308A	Advanced Concepts and Simulation	4.	28,453	30,431	15,041	D	
14	0602601A	Combat Vehicle and Automotive Technology	7	81,562	125,147	69, 638	Ð	
15	0602618A	Ballistics Technology	2	61,372	57,197	51,301	D	
16	0602622A	Chemical, Smoke and Equipment Defeating Technology	. 7	15,480	21,722	3,476	D	
17	0602623A	Joint Service Small Arms Program	7	5,373	5,649	5,739	D	
18	0602624A	Weapons and Munitions Technology	7	71,917	75,266	44,666	Đ	
19	0602705A	Electronics and Electronic Devices	α.	61,510	76,809	41,236	Đ	
20	0602709A	Night Vision Technology	81	18,707	21,506	22,617	D	

DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 2040A Research, Development, Test & Eval, Army

5	Program			Thousa	Thousands of Dollars		
<u>.</u>	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 UI
21	0602712A	Countermine Systems	2	18,408	26,016	20,547	D
22	0602716A	Human Factors Engineering Technology	7	20,247	23,913	16,899	D
23	0602720A	Environmental Quality Technology	2	26,461	30,824	17,026	D
24	0602782A	Command, Control, Communications Technology	α .	20,805	18,115	18,604	Þ
25	0602783A	Computer and Software Technology	΄ Ν	3,931	4,010	3,982	, D
26	0602784A	Military Engineering Technology	7	54,562	51,577	47,152	D
27	0602785A	Manpower/Personnel/Training Technology	7	15,130	15,053	15, 322	Þ
28	0602786A	Warfighter Technology	7	35,826	49,349	21,131	n
29	0602787A	Medical Technology	8	120,935	174,501	60,877	Ω
	Applied Research	Research		852,485	1,039,845	651,192	
30	0603001A	Warfighter Advanced Technology	ĸ	55, 618	66,855	68,034	D
31	0603002A	Medical Advanced Technology	က	168,093	217,737	38,404	ū
32	0603003A	Aviation Advanced Technology	m	42,388	84,966	69, 549	Ð
33	0603004A	Weapons and Munitions Advanced Technology	m.	61,206	53,737	67,622	r . D
34	0603005A	Combat Vehicle and Automotive Advanced Technology	m	304,885	270,656	203,126	D
35	0603006A	Command, Control, Communications Advanced Technology	· m	8,700	11,339	9,946	n.
36	0603007A	Manpower, Personnel and Training Advanced Technology	. m	7,606	8,921	7,288	D.
37	0603008A	Electronic Warfare Advanced Technology	ю	28,662	59,170	41,760	D
38	0603009A	TRACTOR HIKE	ო	16,943	7,686	8,035	D

DEPARTMENT OF THE ARMY FY 2005 RDILE PROGRAM

EXHIBIT R-1

APPRO	APPROPRIATION: 2040A Re)A Research, Development, Test & Eval, Army	1, Army			Date: FEB 2004	4
Line	Program Element			Thous	Thousands of Dollars		ហ M
읽	Number	Item	Act	FY 2003	FY 2004	FY 2005	υI
39	0603015A	Next Generation Training & Simulation Systems	m		15,658	18,072	Ð
40	0603020A	TRACTOR ROSE	М	3,261	4,159	4,736	Ω
41	0603103A	Explosives Demilitarization Technology	m		24,842	9,706	Þ
42	0603105A	Military HIV Research	en .		14,059	6, 641	D
43	0603125A	Combating Terrorism, Technology Development	m	41,822	8,610	3,383	D
4	0603238A	Global Surveillance/Air Defense/ Precision Strike Technology Demonstration	ю	29,774	12,505	10,721	Þ
45	0603270A	Electronic Warfare Technology	ю	18,566	25,360	9,382	D
46	0603313A	Missile and Rocket Advanced Technology	e	100,616	121,126	. 92,800	Ð
47	0603322A	TRACTOR CAGE	m	2,938	7,499	13, 312	Þ
48	.0603606A	Landmine Warfare and Barrier Advanced Technology	ю	28,075	29,662	25,577	Đ
49	0603607A	Joint Service Small Arms Program	ĸ	16,396	9,575	5,968	D
20	0603654A	Line-Of-Sight Technology Demonstration	m	29,931	8,739		Đ
51	0603710A	Night Vision Advanced Technology	ю	77,129	84,066	50,071	Ð
52	0603728A	Environmental Quality Technology Demonstrations	e	12,694	20,462	14,666	Þ
53	0603734A	Military Engineering Advanced Technology	m	13,643	13,106	3,865	Þ
54	0603772A	Advanced Tactical Computer Science and Sensor Technology	ო	26,928	24,731	31,951	Þ
	Advanced	Technology Development		1,095,874	1,205,226	814,615	
55	0603305A	Army Missile Defense Systems Integration(Non Space)	4	36,790	108,078	53, 509	Ð

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EXHIBIT R-1

DEPARTMENT OF THE ARMY FY 2005 RDT&E PROGRAM

Date: FEB 2004	en Ba	FY 2005 C	4,871 U	91,713 U	11,634 U	6,249 U	39,697 U	D .	51,892 U	13,810 U	15,441 U	14,047 U	9,356 U	99,645 U	4,801 U	9,233 U	2,382 U	10,485 U	6,366 U	10,258 U
Q	Thousands of Dollars	FY 2004	35,532	121,489	36,563	10,147	26,055		60,692	13,833	16,878	7,005	40,509	81,393	2,747	14,307	31,500	12,863	8,585	13,392
	Thousan	FY 2003	56,974		9,719	2,324	26,367	127,951	150,234	19,664	16,112	10,984	30,980	48,849	4,561	10,660	35,634	11,997	8,275	13,280
, Army		Act	4	4	4	4	4	4	4	4	4	4	4	4.	4	4	. 4.	4	4	4
(OA Research, Development, Test & Eval, Army		Item	Army Missile Defense Systems Integration (Space)	Air and Missile Defense Systems Engineering	Landmine Warfare and Barrier - Adv Dev	Smoke, Obscurant and Target Defeating Sys-Adv Dev	Tank and Medium Caliber Ammunition	Armored System Modernization - Adv Dev	Advanced Tank Armament System (ATAS)	Soldier Support and Survivability	Tactical Electronic Surveillance System - Adv Dev	Night Vision Systems Advanced Development	Environmental Quality Technology	Warfighter Information Network-Tactical	NATO Research and Development	Aviation - Adv Dev	Weapons and Munitions - Adv Dev	Logistics and Engineer Equipment - Adv Dev	Combat Service Support Control System Evaluation and Analysis	Medical Systems - Adv Dev
APPROPRIATION: 2040A Res	Program	Number	0603308A	0603327A	0603619A	0603627A	0603639A	0603645A	0603653A	0603747A	0603766A	0603774A	0603779A	0603782A	0603790A	0603801A	0603802A	0603804A	0603805A	.0603807A
APPROPI			56	57	28	59	09	61	. 62	63	64	9	99	29	89	69	70	71	72	73

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DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM

		Department of the control of the con	DEPARTMENT OF THE ARMY FY 2005 RDICE PROGRAM	SAM		EXHIBIT R-1	چا
APPRO!	APPROPRIATION: 2040A Res	JA Research, Development, Test & Eval, Army	, Army			Date: FEB 2004	14
:	Program			Thousa	Thousands of Dollars		ស ៖
N N	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 UI
74	0603850A	Integrated Broadcast Service (JMIP/DISTP)	4	1,928	2,073	4,356	Ω
75	0603854A	Artillery Systems	4	306,778			D
16	0603856A	SCAMP Block II	4.	14,102	27,716	10,221	Þ
77	0603869A	Medium Extended Air Defense System (MEADS) Concepts	4.		249,444	264,527	D
•	Advanced	Advanced Component Development & Prototypes		944,163	920,801	734,493	
78	0604201A	Aircraft Avionics	ιΩ	35,971	47,155	68,857	Ð
79	0604220A	Armed, Deployable OH-58D	ĸ	1,759			n
80	0604223A	Comanche	2	865,613	1,068,029	1,229,664	Đ
81	0604270A	Electronic Warfare Development	ស	38,291	32,870	16,879	n
85	0604280A	Joint Tactical Radio	ស	62,892	133,293	121,400	D
83	0604321A	All Source Analysis System	ស	54,341	19,959	5,346	D
84	0604328A	TRACTOR CAGE	ស	9,304	16,046	14,149	D
85	0604329A	Common Missile	SO.	28,104	93,705	152,381	D
98	0604601A	Infantry Support Weapons	S		28,340	28,187	D
87	0604604A	Medium Tactical Vehicles	S	3,584	4,321	2,854	Ð
88	0604609A	Smoke, Obscurant and Target Defeating Sys-SDD	ιΩ	7,521	11,968	3,798	Ð
68.	0604611A	JAVELIN	2	467	946	944	Þ
90	0604622A	Family of Heavy Tactical Vehicles	S.	13,852	16,875	2,479	D
91	0604633A	Air Traffic Control	2	2,161	2,489	2,088	n
95	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	ທ	1,146	,		Ð
. 93	0604642A	Light Tactical Wheeled Vehicles	2	7,900	18,010		n D

DEPARTMENT OF THE ARMY FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 2040A Research, Development, Test & Eval, Army

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DEPARTMENT OF THE ARMY FY 2005 RDTGE PROGRAM

		FY 2005 RDIGE PROGRAM	RDTEE PRO	DGRAM		EXHIBIT R-1	.	
PPRO	PPROPRIATION: 2040A	OA Research, Development, Test & Eval, Army	, Army			Date: FEB 2004	4.	
	Program			Thou	Thousands of Dollars		o a	
	Number	Item	Act	FY 2003	FY 2004	FY 2005	a OI	
111	0604780A	Combined Arms Tactical Trainer (CAIT) Core	ທ	8,162	3,956	23,849	D	
112	0604783A	Joint Network Management System	r.	7,673	9,339	10,726	D	
113	0604801A	Aviation - SDD	ιΩ	2,979	3,344	2,378	Ð	
114	0604802A	Weapons and Munitions - SDD	ς.	49,830	157,076	125,885	n	
115	0604804A	Logistics and Engineer Equipment - SDD	ις.	56, 101	87,471	89,151	Ω	
116	0604805A	Command, Control, Communications Systems - SDD	ĸ	89,465	216,811	219, 790	D	
117	0604807A	Medical Materiel/Medical Biological Defense Equipment - SDD	·w	18,769	22,615	11,727	Ð	
118	0604808A	Landmine Warfare/Barrier - SDD	'n	125,024	96,187	51,045	n	
119	0604814A	Artillery Munitions	ن	102,141	122, 631	133,297	D	
120	0604817A	Combat Identification	rv.	4,983	11,817	6,994	Þ.	
121	0604818A	Army Tactical Command & Control Hardware & Software	Ŋ	97,970	101,166	68,110	D	
122	0604819A	LOSAT	ស	10,603	30,488	22, 628	Ð	
123	0604820A	Radar Development	ĸ			6,107	D	
124	0604823A	Firefinder	ις	28,401	26,825	18,516	n	
125	0604854A	Artillery Systems	ıc.	30,483	. 32,289	9,550	D	
126	0604865A	Patriot PAC-3 Theater Missile Defense Acquisition	G		156,827	64,178	Ď	
127	0605013A	Information Technology Development	ر ا	70,817	63,203	95,261	D	
	System D	System Development & Demonstration		2,430,934	4,663,567	6,129,313		
128	0604256A	Threat Simulator Development	y	17,593	19, 601	22,101	D	
129	0604258A	Target Systems Development	9	10,049	13,444	11,017	D	
130	0604759A	Major T&E Investment	9	47,054	60,141	57,987	D	

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DEPARTMENT OF THE ARMY
FY 2005 RDTEE PROGRAM
APPROPRIATION: 2040A Research, Development, Test & Evel, Army

EXHIBIT R-1 Date: FEB 2004

	Pro Elen	Program Element			Thou	Thousands of Dollars		ហេដ
Rand Arroyo Center 6 21,163 22,072 20,012 Army Kwajalein Atoll 6 125,327 138,884 143,921 Concepts Experimentation Program 6 129,655 182,885 181,114 Army Test Ranges and Facilities 6 129,655 182,885 181,114 Army Technical Test 6 41,774 56,899 52,433 DOD High Energy Laser Test 6 41,774 56,899 52,433 DOD High Energy Laser Test 6 34,921 41,666 44,648 Material Systems Analysis 6 3,555 2,999 2,985 Activities 6 8,792 9,359 8,711 Amy Evaluation of Foreign Items 6 8,792 9,359 8,711 Support of Operational Testing 6 8,792 9,359 8,711 Support of Operational Testing 6 8,792 9,359 8,711 Squitties 6 8,792 9,359 8,712 Squitties 7 4,740	넴	崩		Act	FY 2003	FY 2004	FY 2005	미미
Army Kwajalein Atoll 6 125,327 138,884 143,921 Concepts Experimentation Program 6 23,330 30,704 22,727 Army Test Ranges and Facilities 6 129,665 182,885 181,114 Army Technical Test 6 41,774 56,899 52,433 Bod High Energy Laser Test 6 16,672 18,299 15,725 Pacility 16,672 18,299 15,725 Material Systems Analysis 6 3,455 2,999 2,985 Attribution of Poreign Items 6 8,978 15,642 18,000 Exploitation of Poreign Items 6 8,978 47,740 3,465 4,740 Support of Operational Testing 6 8,978 15,642 18,000 Army Evaluation Canter 6 83,911 66,995 71,239 Army Evaluation Canter 6 83,911 66,996 59,368 Retricommented Activities 6 59,836 62,966 59,368 Programmide Activities <td< td=""><td></td><td>5103A</td><td>Rand Arroyo Center</td><td>y</td><td>21,163</td><td>22,072</td><td>20,012</td><td>Þ</td></td<>		5103A	Rand Arroyo Center	y	21,163	22,072	20,012	Þ
Concepts Experimentation Program 6 23,330 30,704 22,727 Small Business Innovative Research 6 179,442 181,285 181,114 Army Test Ranges and Facilities 6 41,774 56,899 5,433 Army Technical Test 6 41,774 56,899 5,433 Survivability/Lethality Analysis 6 3,921 41,660 44,648 DOD High Energy Laser Test 6 16,672 18,299 15,725 Pacility Aircraft Certification 6 3,555 2,999 2,985 Meteorological Support to Rorke 6 6,792 9,359 8,711 Material Systems Analysis 6 8,978 15,642 18,700 Support of Operational Testing 6 8,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Support of Operational Testing 6 43,809 46,527 62,209 Rqts, & Tng (SMAR) 7 7 7,133 Programwide Activit	č	3301A	Army Kwajalein Atoll	v	125, 327	138,884	143,921	D
Small Dusiness Innovative Research 6 179,142 182,885 181,114 Army Test Ranges and Facilities 6 41,774 56,899 52,433 Army Technical Test 6 41,774 56,899 52,433 Survivability/Lethality Analysis 6 34,921 41,660 44,648 DOD High Energy Laser Test 6 6,792 18,299 15,725 Facility Aircraft Certification 6 792 9,359 2,985 Material Systems Analysis 6 8,978 15,642 18,000 Exploitation of Foreign Items 6 8,978 15,642 18,000 Support of Operational Testing 6 83,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Similation & Modeling for Acq, 6 6 59,836 2,568 1,935 Programwide Activities 6 59,836 62,966 59,368 Technical Information Activities 6 59,836 42,122 27,713 <	ő	326A	Concepts Experimentation Program	y	23,330	30,704	22,727	D
Army Test Ranges and Facilities 6 129,665 182,885 181,114 Army Technical Test 41,774 56,899 52,433 Survivability/Lethality Analysis 6 16,672 18,299 15,725 DOD High Energy Laser Test 6 16,672 18,299 15,725 Pacility 3,555 2,999 2,985 Adricraft Certification 6 3,555 2,999 2,985 Activities 6 6,792 9,359 2,985 Material Systems Analysis 6 8,978 15,642 8,711 Activities 8 3,430 3,465 4,740 Support of Operational Testing 6 8,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, for Technical Information Activities 6 59,836 7,713 Munitions Standardization, for Character Company of Activities and Safety 6 59,836 62,966 59,368 Environmental Quality Technology 6	0	5502A	Small Business Innovative Research	Q	179,142			D
Army Technical Test Instrumentation and Targets Survivability/Lethality Analysis Survivability/Lethality Analysis DOD High Energy Laser Test Facility Aircraft Certification 6 3,555 Aircraft Certification 6 3,555 Aircraft Certification 6 3,555 Aircraft Certification 7 3,430 Anteriel Systems Analysis 8 9,713 Activities Materiel Systems Analysis 6 8,911 6 6,995 Army Evaluation Center 6 8,911 6 6,995 Army Evaluation Center 8 71,239 Army Evaluation Andering for Acq, 8 73,830 Army Evaluation Andering for Acq, 8 74,182 Frogramwide Activities 8 59,836 Frechical Information Activities 9 59,836 Frechical Information Activities 11,935 Munitions Standardization, Erfectiveness and Safety Environmental Quality Technology Management HQ - R&D 11,818 Management HQ - R&D 11,818	ő	5601A	Test Ranges	· vo	129, 665	182,885	181,114	, D
Survivability/Lethality Analysis 6 34,921 41,860 44,648 DOD High Energy Laser Test 6 16,672 18,299 15,725 Facility Aircraft Certification 6 3,555 2,999 2,985 Adrivities 6 6,792 9,359 8,711 Activities 6 8,978 15,642 18,700 Exploitation of Foreign Items 6 8,978 15,642 18,700 Support of Operational Testing 6 83,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, 6 59,836 62,966 59,368 Rqts, & Tng (SNART) 6 59,836 62,966 59,368 Technical Information Activities 6 59,836 62,966 59,368 Technical Information Activities 6 59,836 62,966 59,368 Technical Unformation Activities 6 59,836 62,966 59,368 Effectiveness a	ő	5602A	Army Technical Test Instrumentation and Targets	9	41,774	56,899	. 52,433	Ð
DOD High Energy Laser Test 6 16,672 18,299 15,725 Aircraft Certification 6 3,555 2,999 2,985 Activities 6 6,792 9,359 2,985 Meteorological Support to RDT&E 6 6,792 9,359 8,711 Material Systems Analysis 6 8,978 15,642 18,000 Exploitation of Foreign Items 6 3,430 3,465 4,740 Support of Operational Testing 6 83,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, 6 7 46,527 62,209 Simulation & Activities 6 59,836 2,568 1,935 Programwide Activities 6 54,182 42,122 27,713 Munitions Standardzation, Effectiveness and Safety 6 54,182 4,780 4,527 Effectiveness and Safety 6 1,794 4,780 4,527 Management HQ - R&D 6 1	9	5604A	Survivability/Lethality Analysis	•	34,921	41,860	44,648	Ð
Aircraft Certification 6 3,555 2,999 2,985 Meteorological Support to RDT&E 6 6,792 9,359 8,711 Activities 6 8,978 15,642 18,000 Materiel Systems Analysis 6 8,978 15,642 18,000 Exploitation of Foreign Items 6 83,911 66,995 71,239 Support of Operational Testing 6 43,809 46,527 62,209 Simulation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq 6 59,836 62,966 59,368 Programwide Activities 6 54,182 2,568 1,935 Programwide Activities 6 54,182 2,713 Munitions Standardization, 6 54,182 4,780 Environmental Quality Tec	9	5605A	DOD High Energy Laser Test Facility	φ	16,672	18,299	15,725	D
Meteorological Support to RDT&E 6,792 9,359 8,711 Activities Materiel Systems Analysis 6 8,978 15,642 18,000 Exploitation of Foreign Items 6 3,430 3,465 4,740 Support of Operational Testing 6 83,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, 6 59,836 62,966 1,935 Rqts, 6 Tng (SMART) 6 59,836 62,966 59,368 Technical Information Activities 6 54,182 42,122 27,713 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575	ő	5606A	Aircraft Certification	9	3,555	2,999	2,985	D
Materiel Systems Analysis 6 8,978 15,642 18,000 Exploitation of Foreign Items 6 3,430 3,465 4,740 Support of Operational Testing 6 83,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, 6 5 2,568 1,935 Rqts, & Tng (SMAT) Frogramwide Activities 6 59,836 59,866 Programwide Activities 6 54,182 42,122 27,713 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575	ő	5702A		ø	6,792	9,359	. 8,711	Þ
Exploitation of Foreign Items 6 3,430 3,465 4,740 Support of Operational Testing 6 83,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, 6 2,568 1,935 Rqts, f Tng (SMART) 6 59,836 62,966 59,368 Programwide Activities 6 54,182 42,122 27,713 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575	ő	5706A	Materiel Systems Analysis	9	8,978	15,642	18,000	D
Support of Operational Testing 6 83,911 66,995 71,239 Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, 6 5 2,568 1,935 Rqts, & Tng (SMART) 6 59,836 52,966 59,368 Programwide Activities 6 54,182 42,122 27,713 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575	5	5709A		9	3,430	3,465	4,740	D
Army Evaluation Center 6 43,809 46,527 62,209 Simulation & Modeling for Acq, 6 6 2,568 1,935 Rqts, & Tng (SMART) 6 59,836 62,966 59,368 Programwide Activities 6 54,182 42,122 27,713 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575	č	5712A	Support of Operational Testing	v	83, 911	66,995	71,239	D.
Simulation & Modeling for Acq, 6 6 2,568 1,935 Rqts, & Tng (SMART) 6 59,836 62,966 59,368 Programwide Activities 6 54,182 42,122 27,713 Technical Information Activities 6 30,002 39,783 14,611 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575	9	3716A	Army Evaluation Center	ø	43,809	46,527	62,209	Þ
Programwide Activities 6 59,836 62,966 59,368 Technical Information Activities 6 54,182 42,122 27,713 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575	ő	5718A	ition & & Tng (o		2,568	1,935	D
Technical Information Activities 6 54,182 42,122 27,713 Munitions Standardization, Effectiveness and Safety 6 30,002 39,783 14,611 Environmental Quality Technology 6 1,794 4,780 4,527 Management HQ - R&D 6 10,855 11,818 11,575		3801A	Programwide Activities	9	59,836	62,966	59,368	D
Munitions Standardization, 6 30,002 39,783 14,611 Effectiveness and Safety 1,794 4,780 4,527 Momental Quality Technology 6 10,855 11,818 11,575	=;	3803A	Technical Information Activities	9	54,182	42,122	27,713	D
Environmental Quality Technology 6 1,794 4,780 4,527 Mgmt Support Management HQ - R&D 6 10,855 11,818 11,575	ő	3805A	Munitions Standardization, Effectiveness and Safety	•	30,002	39,783	14,611	D
Management HQ - R&D 6 10,855 11,818 11,575	ő	5857A	-	v	1,794	4,780	4,527	Ð
	9	898A	Management HQ - R&D	y	10,855	11,818	11,575	D

DEPARTMENT OF THE ARMY FY 2005 RDT&E PROGRAM

EXHIBIT R-1

TI ZOOD RUIGE FROGRAM

APPROL	APPROPRIATION: 2040A	Research, Development, Test	& Eval, Army			Date: FEB 2004	4
T.i.n	Program			Thous	Thousands of Dollars		on Ea
읾	Number	<u>Item</u>	Act	FY 2003	FY 2004	FY 2005	1 UI
151	0909999A	Financing for Cancelled Account Adjustments	vo	181			Þ
	RDIEE Manag	nagement Support		954,015	893,813	859,298	
152	0603778A	MLRS Product Improvement Program	7	94,584	83,903	97,422	D
153	0102419A	Aerostat Joint Project Office	7	33,489	58,397	81,514	D
154	0203610A	Domestic Preparedness Against WMD	7	2,437	3,956	,	D
155	0203726A	Adv Field Artillery Tactical Data System	7	44,959	28,599	17,994	Ð
156	0203735A	Combat Vehicle Improvement Programs	7	81,285	31,336	15,952	Þ
157	0203740A	Maneuver Control System	7	40,612	39,145	24,753	D
158	0203744A	Aircraft Modifications/Product Improvement Programs	7	206,500	276,191	224, 368	n
159	0203752A	Aircraft Engine Component Improvement Program	7	6,759	5, 339	2,427	Ð
160	0203758A	Digitization	7	27,727	18,049	24,506	D
161	0203759A	Force XXI Battle Command, Brigade and Below (FBCB2)	7	59,887	47,901	23,510	Ð
162	0203801A	Missile/Air Defense Product Improvement Program	7	39,262	46,055	31,690	Þ
163	0203802A	Other Missile Product Improvement Programs	7	12,229	1,061	4,863	D
164	0203806A	TRACTOR RUT	7		8,754	3,321	Ω
165	0203808A	TRACTOR CARD	7	8,495	9,153	9,023	Ω
166	0208010A	Joint Tactical Communications Program (TRI-TAC)	7	13,281	16,362	18,177	D
167	0208053A	Joint Tactical Ground System	7	2,811	659 6	. 196,46	Ð.
168	0301359A	Special Army Program	7	12,445	19,737		

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DEPARTMENT OF THE ARMY FY 2005 RDTGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 2040A Research, Development, Test & Eval, Army

1	Program			Thou	Thousands of Dollars		ω i
	Number	Item	Act	FY 2003	FY 2004	FY 2005	a Ol
169	0301555A	CLASSIFIED PROGRAMS					
170	0301556A	SPECIAL PROGRAM	7				
171	0303028A	Security and Intelligence Activities	7	26, 182	15,873		D
172	0303140A	Information Systems Security Program	7	22,153	20,500	24,725	Þ
173	0303141A	Global Combat Support System	7	49,273	55,217	94,215	D
174	0303142A	SATCOM Ground Environment (SPACE)	7	67,716	86,389	51,959	Ω
175	0303150A	WWMCCS/Global Command and Control System	7	16,704	16,934	19,204	Đ
176	0305114A	Traffic Control, Approach and Landing System	7	934	945		Þ
177	0305204A	Tactical Unmanned Aerial Vehicles (JMIP)	7	68,650	68,629	27,127	Ω
178	0305206A	Airborne Reconnaissance Systems	7	11,433	4,699	5,128	D
179	0305208A	Distributed Common Ground/Surface Systems	7	44,805	37,375	43,254	Þ
180	0702239A	Avionics Component Improvement Program	۲.			997	D
181	0708045A	End Item Industrial Preparedness Activities	7	79,066	85,853	67,236	D
182	1001018A	NATO Joint STARS	7	503	498	595	Þ
	Operatio	Operational Systems Development		1,074,181	1,096,509	929,140	
	Total Research	Total Research, Development, Test & Eval, Army		7,594,576	10,201,354	10,435,557	

DEPARTMENT OF THE NAVY

FY 2005 RDIGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	405, 934	484,048	476,984
Applied Research	778,159	723,697	564,067
Advanced Technology Development	813,556	1,009,367	677,172
Advanced Component Development & Prototypes	2,660,947	2,807,473	2,803,667
System Development & Demonstration	5,184,832	6,359,897	8,008,517
RDT&E Management Support	939,374	686,839	653,996
Operational Systems Development	2,917,062	2,898,174	3,161,988
Total Research, Development, Test & Eval, Navy	13,699,864	14,969,495	16,346,391
Summary Recap of FYDP Programs			
Strategic Forces	86,511	132,359	192,034
General Purpose Forces	943,705	951,287	941,570
Intelligence and Communications	1,419,840	1,575,795	1,060,115
Guard and Reserve Forces	8,553	4,600	
Research and Development	11,137,121	12,217,708	14,085,842
Central Supply and Maintenance	96,156	87,746	66,830
Administration and Associated Activities	7,978		
Total Research, Development, Test & Eval, Navy	13,699,864	14,969,495	16,346,391

DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Program Element				Thousa	Thousands of Dollars		N FI	
Number		Item	Act	FY 2003	FY 2004	FY 2005	υI	
0601103N Uni	Uni	versity Research Initiatives	н		91,489	83,508	D	
0601152N In- Res	In- Res	In-House Laboratory Independent Research	н ·	12,878	17,196	17,664	D	
0601153N Def	Def	ense Research Sciences	1	393, 056	375,363	375,812	Ω	
Basic Research	searc)			405,934	484,048	476,984		
0602114N Pow	Pow	er Projection Applied Research	7	110,232	142,626	98,831	Ω	
0602123N For	For	ce Protection Applied Research	8	113,066	112,868	96,269	Ω	
0602131M Mar Tec	Mar	Marine Corps Landing Force Technology	7	28,247	32,375	35, 398	n	
0602232N Com	Con	Communications, Command and Control, Intell, Surveillance	8	1,333			Ω	
0602233N Hum	Hum	Human Systems Technology	7	1,000	1,705		D	
0602234N Mat	Mat	Materials, Electronics and Computer Technology	7	9,553	1,780		D	
0602235N Com	CO	Common Picture Applied Research	8	142,203	95,432	60,134	D	
0602236N War	War	Warfighter Sustainment Applied Research	8	102,075	100,645	63,726	Þ	
0602271N RF		Systems Applied Research	2	69,232	49,244	49,151	Ð	
0602435N Oce App	Oce App	Ocean Warfighting Environment Applied Research	8	66,431	62,305	48, 482	p D	
0602747N Und	Und	ersea Warfare Applied Research	2	85,424	76,788	64,060	D	
0602782N Min	Min App	e and Expeditionary Warfare Lied Research	7	49,363	47,929	48,016	D.	
Applied Resea	Resea	ırch		778,159	723,697	564,067		
0603114N Pow Tec	Pow	Power Projection Advanced Technology	m	176,336	260,688	92,359	Ω	
0603123N Fo	H H H H O	Force Protection Advanced Technology	m _,	89,085	119,838	82,130	Ω	

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UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

es Bi	FY 2005 C	79,521 U	61,103 U	44,046 U	58,222 U	D	167,626 U	16,719 U	26,515 U	26 U	16,006 U	32,899 U	Þ	677,172	24,431 U	10,820 U	42,394 U	4,541 U	6,448 U	0 509,79
of Dollars	FY 2004	79,690	86,464	62,041	90,110		137,315	28,318	46,544	19,956	39,490	38,913		1,009,367	22,575	21,628	63,541	14,340	2,029	5,730
Thousands of Dollars	FY 2003	45,656	90,501	70,973	73,607	096	101,816	32,757	45,080		42,138	42,266	2,381	813,556 1	31,937	20,359	31,527	25,011	1,877	3,214
	Act	эду з	ĸ	ю	м ·	m	. რ	m	m	м	т Э	ĸ	m		4	4	₩.	4	4	эду 4
	Item	Common Picture Advanced Technology	Warfighter Sustainment Advanced Technology	RF Systems Advanced Technology	USMC Advanced Technology Demonstration (ATD)	Environmental Quality and Logistics Advanced Technology	Navy Technical Information Presentation System	Warfighter Protection Advanced Technology	Undersea Warfare Advanced Technology	Joint Warfare Experiments	Navy Warfighting Experiments and Demonstrations	Mine and Expeditionary Warfare Advanced Technology	Advanced Technology Transition	Advanced Technology Development	Air/Ocean Tactical Applications	Aviation Survivability	Deployable Joint Command and Control	ASW Systems Development	Tactical Airborne Reconnaissance	. Advanced Combat Systems Technology
Program	Number	0603235N	0603236N	0603271N	0603640M	0603712N	0603727N	0603729N	0603747N	0603757N	0603758N	0603782N	0603792N	Advanced	0603207N	0603216N	0603237N	0603254N	0603261N	0603382N
9	N S	18	9.	20	21	22	23	24	25	56	27	28	29		30	31	32	33	34	35

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DEPARTMENT OF THE NAVY

EXHIBIT R-1 Date: FEB 2004

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APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

eņ ·	EY 2005 C	103,308 U	46,896 U	157,479 U	18,993 U	78,223 U	82,532 U	36,915 U	946 U	17,633 U	19,970 U	81,160 U	5,957 U	3,723 U	Ω	169,733 U	D	47,786 U	352,089 U	80,840 U	34,151 U	236,969 U
is of Dollars	FY 2004	145,678	44,891	156,603	36, 664	93,860	73,181	20,258	1,097	4,456	69, 405	92,539	6,948	20,846		198,999	6,534	. 17,127	166,180	97,969	42,063	237,893
Thousands	FY 2003	140,512	13,929	88,360	247,513	71,613	29,644		1,053	3,108	79,126	126,891	12,502	24,685	2,180	211,314	2,807	29,815	35,322	57,957	17,613	263,299
	Act	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	, 4	4	4	4	4	4
	Item	Surface and Shallow Water Mine Countermeasures	Surface Ship Torpedo Defense 4	Carrier Systems Development 4	Shipboard System Component Development	PILOT FISH	RETRACT LARCH	RETRACT JUNIPER 4	Radiological Control 4	Surface ASW 4	SSGN Conversion 4	Advanced Submarine System 4 Development	Submarine Tactical Warfare Systems 4	Ship Concept Advanced Design 4	Ship Preliminary Design & Feasibility Studies	Advanced Nuclear Power Systems 4	Advanced Surface Machinery Systems 4	CHALK EAGLE 4	Littoral Combat Ship (LCS) 4	Combat System Integration 4	Conventional Munitions 4	Marine Corps Assault Vehicles 4
Program		0603502N Surface and Shallow Water Mine Countermeasures	0603506N Surface Ship Torpedo Defense 4	0603512N Carrier Systems Development 4	0603513N Shipboard System Component Development	0603525N PILOT FISH 4	0603527N RETRACT LARCH	0603536N RETRACT JUNIPER 4	0603542N Radiological Control 4	0603553N Surface ASW 4		0603561N Advanced Submarine System 4 Development	47 0603562N Submarine Tactical Warfare Systems 4		Preliminary Design ibility Studies	0603570N Advanced Nuclear Power Systems 4	0603573N Advanced Surface Machinery Systems 4	0603576N CHALK EAGLE 4	0603581N Littoral Combat Ship (LCS) 4	0603582N Combat System Integration 4	0603609N Conventional Munitions 4	0603611M Marine Corps Assault Vehicles 4

DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

EXHIBIT R-1 Date: FEB 2004

	4 UI	Ð	D	D	D	Ð	D	n	Ω	Ð	Ω	D	Ω	D	D	n	D	D	D	n	D	Þ
	FY 2005	4,522	22,440	18,047	103,452	. 26,232	24,641	1,494	1,621	58,467	7,421	275,407	112,997	48,130	9,493	63,346	44,232	10,151	82,049	43, 321	13,626	32,391
Thousands of Dollars	FY 2004	1,202	26,009	16,868	86,725	17,977	31,855	4,636	1,424	60,718	17,989	297,370	104,186	43,210	9,625	94,470	52,855	11,338	119,684	43,929	14,886	24,034
Thous	FY 2003	310	31,622	12,360	106,020	24,585	43,048	14,712	3,276	67,617	28,844	244,120	80,453	24,390	9,101	47,820	47,104	12,804	122,032	24,797	13,715	12,217
	Act	4	4	4.	4	♥ ,	4.	4	4	4	4	4	4	4	4	4	4.	4	4	4	4	4
	Item	USMC Mine Countermeasures Systems 4 - Adv Dev	Marine Corps Ground Combat/ Support System	Joint Service Explosive Ordnance Development	Cooperative Engagement 4	Ocean Engineering Technology Development	Environmental Protection 4	Navy Energy Program 4	Facilities Improvement 4	CHALK CORAL 4	Navy Logistic Productivity 4	RETRACT MAPLE 4	LINK PLUMERIA 4	RETRACT ELM 4	Ship Self Defense	LINK EVERGREEN	Special Processes 4	NATO Research and Development 4	Land Attack Technology 4	Nonlethal Weapons 4	All Service Combat Identification 4 Evaluation Team (ASCIET)	Joint Precision Approach and Landing Systems
Program		Mine Countermeasures Systems r Dev	Corps Ground Combat/ System	0603654N Joint Service Explosive Ordnance 4 Development	0603658N Cooperative Engagement 4	0603713N Ocean Engineering Technology 4 Development	0603721N Environmental Protection 4		0603725N Facilities Improvement 4	0603734N CHALK CORAL 4		0603746N RETRACT MAPLE 4		0603751N RETRACT ELM 4			0603787N Special Processes 4			0603851M Nonlethal Weapons 4	-	0603860N Joint Precision Approach and Landing Systems

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EXHIBIT R-1

DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

APPRO	PRIATION: 1319	APPROPRIATION: 1319N Research, Development, Test & Eval	& Eval, Navy			Date: FEB 2004	04	
T.ine	Program Element			Thous	Thousands of Dollars		o e	
욁	Number	Item	Act	FY 2003	FY 2004	FY 2005	ı Ol	•
78	N678E090	Single Integrated Air Picture (SIAP) System Engineer (SE)	4	67,034	14,411	20,252	Ð	
79	N688E090	Counterdrug RDT&E Projects	4	16,200			D	
80	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	4		11,866		Đ	
81	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	4	869 '88	37,172	25, 943	Ð	
85	0604787N	Joint Warfare Transformation Programs	4			22,450	. : D	
	Advanced	Advanced Component Development & Prototypes		2,660,947	2,807,473	2,803,667		
83	0604212N	Other Helo Development	ب ب	59,490	64, 699	186,970	D	
84	0604214N	AV-8B Aircraft - Eng Dev	S	17,712	8,630	12,284	n D	
85	0604215N	Standards Development	ഹ	42,007	49,867	57, 675	, D	
86	0604216N	Multi-Mission Helicopter Upgrade Development	ιΩ	89,943	76,141	78,757	Þ	
87	0604217N	S-3 Weapon System Improvement	S	398			D	
88	0604218N	Air/Ocean Equipment Engineering	S	7,332	3,041	4,506	D.	
68	0604221N	P-3 Modernization Program	ស	887.	14,593	9,554	Þ.	
90	0604230N	Warfare Support System	ن		1,976	5, 201	Þ	
91	0604231N	Tactical Command System	'n	68,220	65,443	49, 180	D	
92	0604234N	Advanced Hawkeye	S	107,043	343,306	597,015	D	
66	0604245N	H-1 Upgrades	Ŋ	232,229	90,965	90,389	Ω	
94	0604261N	Acoustic Search Sensors	ம	13,311	16,940	13, 363	D	
92	0604262N	V-22A	<u>د</u>	387,421	402,483	304,164	D,	
96 .	0604264N	Air Crew Systems Development	ιn	7,354	16,183	8,838	. D	
97	0604269N	EA-18	. ທ ິ			357,502	Ð	

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DEPARTMENT OF THE NAVY FY 2005 RDT&R PROGRAM

EXHIBIT R-1 Date: FEB 2004

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	est & Eval,	
	Development, T	
	IPPROPRIATION: 1319N Research, Development, Test & Eval, Navy	
	APPROPRIATION:	•

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	FY 2005	48,956	777,398	78,624	1,431,585	146,463	8,988	27,047	9,961	99,022	50,514	75,359	13,102	1,075	28,631	8,228	143,270	3,020	43,404	130,908	2,381	6, 123
Thousands of Dollars	FY 2004	275,422	195,233	88,601	1,052,273	213,470	8,888	20,901		81,014	90,981	76,997	10,355	994	23,586	13,093	144,576	23,827	32,354	134,061	12,521	1,480
Thou	FY 2003	88,509		19,231	668,472	331,213	9, 621	16,146	100	24,244	73,600	120,050	5,904	501	24,311		234,592	15,957	24,445	196, 697	15,377	1,455
	Act	S	S	ស	Ŋ	S	ស	بر	S	ιΩ	ĺυ	ιΩ	Ŋ	Ŋ	κ̈́	ις	ın	ß	ιΩ	ĸ	ß	ي د
	Item	Electronic Warfare Development	VHXX Executive Helo Development	Joint Tactical Radio System - Navy (JTRS-Navy)	SC-21 Total Ship System Engineering	Surface Combatant Combat System Engineering	LPD-17 Class Systems Integration	Tri-Service Standoff Attack Missile	Small Diameter Bomb (SDB)	Standard Missile Improvements	Airborne MCM	SSN-688 and Trident Modernization	Air Control	Enhanced Modular Signal Processor	Shipboard Aviation Systems	Combat Information Center Conversion	New Design SSN	SSN-21 Developments	Submarine Tactical Warfare System	Ship Contract Design/ Live Fire T&E	Navy Tactical Computer Resources	Mine Development
Program	Number	0604270N	0604273N	0604280N	0604300N	0604307N	0604311N	0604312N	0604329N	0604366N	0604373N	0604503N	0604504N	0604507N	0604512N	0604518N	0604558N	0604561N	0604562N	0604567N	0604574N	0604601N
		86	66	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118

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DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

EXHIBIT R-1

Date: FEB 2004 APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

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	FY 2005		9,965		8,081		3,005		17,981	9,531	48,154	51,213	28,233	6,942	28,104	7,776	2,264,507	695	9,301	109,543	
Thousands of Dollars	FY 2004	12,065	6,173		8,046		1,919		16,743	4,969	42,237	24,300	53,506	66,788	45,168	32,907	2,159,197	546	10,063	65,622	75,441
Thous	FY 2003	13,415	18,745	46,904	7,295		1,383	6,641	16,849	16,685	60,138	26,120	42,818	65,421	45,080	37,591	1,661,509	623	18,060	69,827	51,788
	Act	ις	ĸ	ις	ĸ		ស	ιΩ	ro.	LO	ഗ	. بر		S	ıcı	2	S	ς.	s.	z,	ß
	Item	Unguided Conventional Air-Launched Weapons	Lightweight Torpedo Development	Joint Direct Attack Munition	Joint Service Explosive Ordnance	Development	Personnel, Training, Simulation, and Human Factors	Navy Energy Program	Battle Group Passive Horizon Extension System	Joint Standoff Weapon Systems	Ship Self Defense (Detect & Control)	Ship Self Defense (Engage: Hard Kill)	Ship Self Defense (Engage: Soft Kill/EW)	Medical Development	Navigation/ID System	Distributed Surveillance System	Joint Strike Fighter (JSF)	Smart Card	Information Technology Development	Information Technology Development	Defense Integrated Military Human
Program	Number	0604603N	0604610N	0604618N	0604654N		0604703N	0604710N	0604721N	0604727N	0604755N	0604756N	0604757N	0604771N	0604777N	0604784N	0604800N	0604910N	0605013M	0605013N	0605014N
:		119	120	121	122		123	124	125	126	127	128	129	130	131	132	133	134	135	136	137.

DEPARTMENT OF THE NAVY FY 2005 RDTGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

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	FY 2005	496,029		8,008,517	23,866	35,677	39,787	2,183	43,982	2,338		969	31,407	3, 493	66,117	19,370	81,308	255, 926	13,044	2,941
Thousands of Dollars	FY 2004	71,413	4,600	6,359,897	27,692	37,219	44,178	7,570	37,918	1,984		27,270	30,901	3,837	64,162	13,402	77,772	256,582	11,959	3,140
Thou	FY 2003	65, 615	8,553	5,184,832	25,725	45,856	39,851	6,042	43,720	2,639	226,342	18,116	50,482	2,247	59,940	12,910	74,262	270,550	11,355	3,082
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	Act	Ŋ	ഹ		9	9	9	9	9	9	9	9	9	9	9	9	9	9	φ.	ဖ
	Item Act	Multi-mission Maritime Aircraft (MMA)	Navy Standard Integrated Personnel System (NSIPS)	Development & Demonstration	Threat Simulator Development	Target Systems Development 6	Major TEE Investment 6	Studies and Analysis Support - 6	Center for Naval Analyses 6	Fleet Tactical Development 6	Small Business Innovative Research 6	Technical Information Services 6	Management, Technical & 6 International Support	Strategic Technical Support	RDT&E Science and Technology Management	RDT&E Instrumentation Modernization	RDT&E Ship and Aircraft Support 6	Test and Evaluation Support 6	Operational Test and Evaluation 6	Navy Space and Electronic Warfare 6 (SEW) Support
Program 51 const	Item			System Development & Demonstration	eat Simulator Development	get Systems Development	or T&E Investment	ies and Analysis Support -					Technical &	ategic Technical Support		&E Instrumentation ernization		t and Evaluation Support		

DEPARTMENT OF THE NAVY FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

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	FY 2005 C	12,160 ·U	19,701 U	D	653,996			108,782 U	43,408 U	8,453 U	31,391 U	. 14,630 U	134,580 U	6,055 U	19,784 U	28,776 U	16,965 U	2,604 U	21,644 U	1,460 U
Thousands of Dollars	FY 2004	11,956	29,297		686,839			65,454	37,981	5,889	23,035	688.6	172,743	19, 331	23,123	76,524	14,117	5,589	22,460	1,448
Thous	FY 2003	11,836	26,441	7,978	939,374			38,099	32,718	1,057	14,637		204,131	18,878	12,048	97,284	25,186	6,106	25,974	
	Act	· vo	9	•		7	7	7	7	7	7	7	7	7	۲	7		_		7
		gy.	ort																	
	Item	SEW Surveillance/Reconnaissance Support	Marine Corps Program Wide Support	Financing for Cancelled Account Adjustments	inagement Support	Advanced Development Projects	Retract Violet	Strategic Sub & Weapons System Support	SSBN Security Technology Program	Submarine Acoustic Warfare Development	Navy Strategic Communications	Rapid Technology Transition (RTT)	F/A-18 Squadrons	E-2 Squadrons	Fleet Telecommunications (Tactical)	Tomahawk and Tomahawk Mission Planning Center (TMPC)	Integrated Surveillance System	Amphibious Tactical Support Units (Displacement Craft)	Consolidated Training Systems Development	Cryptologic Direct Support
Program		n.	0605873M Marine Corps Program Wide Supp	ä	RDIEE Management Support	0603660N Advanced Development Projects	0603661N Retract Violet	Sub	0101224N SSBN Security Technology Program	0101226N Submarine Acoustic Warfare Development	0101402N Navy Strategic Communications	0203761N Rapid Technology Transition (RTT)	0204136N F/A-18 Squadrons		0204163N Fleet Telecommunications (Tactical)	0204229N Tomahawk and Tomahawk Mission Planning Center (TMPC)	0204311N Integrated Surveillance System		Training	0204574N Cryptologic Direct Support

DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

	Program			Thousa	Thousands of Dollars		ω F
잃	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 U!
174	0204575N	Electronic Warfare (EW) Readiness Support	7	25,906	11,794	12,139	D
175	0205601N	HARM Improvement	7	58,793	51,601	163,371	n
176	0205604N	Tactical Data Links	7	40,024	43,971	18,977	D
177	0205620N	Surface ASW Combat System Integration	7	36,065	23,118	10,612	D
178	0205632N	MK-48 ADCAP	7	21,323	17,036	21,620	Þ
179	0205633N	Aviation Improvements	Ŀ	38,878	68,552	62, 635	Đ
180	0205658N	Navy Science Assistance Program	7	15,459	7,098	3,821	n
181	0205675N	Operational Nuclear Power Systems	7	55,430	62,052	64,554	D
182	0206313M	Marine Corps Communications Systems	7	197,524	247,179	268, 638	Ð
183	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	7	37,552	41,960	44,828	D
184	0206624M	Marine Corps Combat Services Support		16,682	20,493	10,731	D
185	0207161N	Tactical AIM Missiles	7	2,812	2,236	4,061	D
186	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	۲ .	7,650	8,973	9,085	Ð
187	0301303N	Maritime Intelligence	7		•		
188	0301323N	Collection Management	7				
189	0301327N	Technical Reconnaissance and Surveillance	7.				
190	0303109N	Satellite Communications (SPACE)	7	110,463	267,665	573,092	Þ
191	0303140N	Information Systems Security Program	L	25,733	25,366	18,676	D
192	0304111N	Special Activities	7				
193	0305149N	COBRA JUDY	7	50,510	68,583	80,694	Ð

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DEPARTMENT OF THE NAVY FY 2005 RDIGE PROGRAM

EXHIBIT R-1

APPRO	APPROPRIATION: 1319N	1319N Research, Development, Test & Eval, Navy	, Navy			Date: FEB 2004	
Line	Program Element			Thou	Thousands of Dollars	O. #2	ω is
욅	Number	<u>Item</u>	Act	FY 2003	FY 2004	FY 2005	
194	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	7	21,833	7,878	4,215 U	_
195	0305188N	Joint C41SR Battle Center (JBC)	7	29,371	44,865	43,569 U	
196	0305192N	Joint Military Intelligence Programs	۲ '	6,971	5,246	4,746 U	
197	0305204N	Tactical Unmanned Aerial Vehicles (JMIP)	7	253,844	85,713	53,439 U	_
198	0305205N	Endurance Unmanned Aerial Vehicles	7		100,212	113,438 U	_
199	0305206N	Airborne Reconnaissance Systems	7	16,171	26,989	10,191 U	_
200	0305207N	Manned Reconnaissance Systems (JMIP)	۲.	22,505	16,521	20,203 U	_
201	0305208N	Distributed Common Ground/Surface Systems	۲ .	8,518	8,818	3,635	Þ
202	0305927N	Naval Space Surveillance	7	5,017			D
203	0307207N	Aerial Common Sensor (ACS) (JMIP)				24,909 0	Þ
204	0308601N	Modeling and Simulation Support	7	9,455	13,475	7,262 U	D
205	0702207N	Depot Maintenance (Non-IF)	7	12,839	8,972	נ	D
206	0708011N	Industrial Preparedness	7	71,704	64,270	56,565 U	
207	0708730N	Maritime Technology (MARITECH)	۲.	11,613	14,504	10,265 U	D
	Opera	Operational Systems Development		2,917,062	2,898,174	3,161,988	
••	Total Research,	arch, Development, Test & Eval, Navy		13,699,864	14,969,495	16,346,391	

DEPARTMENT OF THE AIR FORCE

FY 2005 RDIEE PROGRAM

SUMMARY (\$ IN THOUSANDS)

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	211,559	331,171	345,500
Applied Research	824,951	896,694	786,180
Advanced Technology Development	. 700,364	1,093,020	786,994
Advanced Component Development & Prototypes	1,429,066	2,032,666	2,384,536
System Development & Demonstration	4,381,477	4,543,591	4,708,025
RDT&E Management Support	921,213	638, 682	747,114
Operational Systems Development	10,465,945	10,757,771	11,356,318
Total Research, Development, Test & Eval, AF	18,934,575	. 20,293,595	21,114,667
Summary Recap of FYDP Programs			
Strategic Forces	107,691	111,041	101,161
General Purpose Forces	2,381,718	2,727,002	3,518,983
Intelligence and Communications	7,250,372	7,165,450	7,853,765
Mobility Forces	642,828	770,491	835,980
Research and Development	8,376,099	9,310,187	8,583,180
Central Supply and Maintenance	117,505	141,549	91,277
Training Medical and Other	299	3,230	3,372
Administration and Associated Activities	54,423	60,811	123,004
Support of Other Nations	3,640	3,834	3,945
Total Research, Development, Test & Eval, AF	18,934,575	20,293,595	21,114,667

DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Line	Program Element			Thousa	Thousands of Dollars		ω pi
욁	Number	Item	Act	FY 2003	FY 2004	FY 2005	ı ol
H	0601102F	Defense Research Sciences	H	211,559	212,897	217,304	, D
2	0601103F	University Research Initiatives	н		106,313	115,865	Ð
m	. 0601108F	High Energy Laser Research Initiatives	н		11,961	12,331	D
	Basic Research	earch		211,559	331,171	345,500	
4	0602102F	Materials		105,237	109,222	73,660	Þ
5	0602201F	Aerospace Vehicle Technologies	8	75,067	64,311	74,679	D.
9	0602202F	Human Effectiveness Applied Research	7	75,229	87,143	71,483	Ω
7	0602203F	Aerospace Propulsion	67	135,403	126,988	92,650	Đ
œ	0602204F	Aerospace Sensors	8	77,172	86,405	78,804	Ð
a	0602500F	Multi-disciplinary Space Technology	8	95,779	101,360	84,581	D
10	0602601F	Space Technology	8	74,889	101,539	88,909	Đ
11	0602602F	Conventional Munitions	7	62,802	46,061	52,251	Þ
12	0602605F	Directed Energy Technology	7	35, 661	42,077	36,532	Þ
13	0602702F	Command Control and Communications	7	77,637	79,594	82,147	Þ
1.4	0602805F	Dual Use Science and Technology Program	7	10,075	10,496	5,151	Þ
15	0602890F	High Energy Laser Research	7		41,498	45,333	Þ
	Applied Research	asearch		824,951.	896,694	786,180	
16	0603112F	Advanced Materials for Weapon Systems	m	39,746	61,948	34,284	D
17	0603203F	Advanced Aerospace Sensors	ო	50,988	41,124	30,634	Þ
18	0603205F	Flight Vehicle Technology	m	3,463	992	,	, D
19	0603211F	Aerospace Technology Dev/Demo	m	27,767	47,610	29,145	D

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DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

EXHIBIT R-1 Date: FEB 2004

;	Program	• .	, •	Thou	Thousands of Dollars		σ I	
	Number	Item	Act	FY 2003	FY 2004	FY 2005	a OI	
	0603216F	Aerospace Propulsion and Power Technology	m	84,067	93, 425	79,914	Ð	
	0603231F	Crew Systems and Personnel Protection Technology	m	37,959	42,822	32,794	Ð	
	0603270F	Electronic Combat Technology	ю	24,000	34,597	28,282	Ð	
	0603311F	Ballistic Missile Technology	E	12,795	11,402		D	
	0603333F	Unmanned Air Vehicle Dev/Demo	က	16,719			D	
	0603401F	Advanced Spacecraft Technology	е	52,424	96,912	60,124	D	
	0603444E	Maui Space Surveillance System (MSSS)	m	47,130	. 51,581	908'9	Þ	
27.	0603500F	Multi-disciplinary Advanced Development Space Technology	m	51,688	62,077	51,114	Þ	
28	0603601F	Conventional Weapons Technology	м	45,070	37,198	22,398	D	
29	0603605F	Advanced Weapons Technology	ю	71,649	61,221	31,103	D	
30	0603723F	Environmental Engineering Technology	ო	1,152	1,190		Ð	
	0603789F	C3I Advanced Development	ю	43,160	44,917	28,524	Þ	
	0603801F	Special Programs	ĸ	90,587	363,861	320,503	Þ	
	0603850F	Integrated Broadcast Service	m		8,464	2,294	D	
	0603924F	High Energy Laser Advanced Technology Program	т		10,818	8,547	Đ	
	0207423F	Advanced Communications Systems	m		11,951	12,051	Ð	
	0401840F	AMC Command and Control System	•		5,995	6,038	D	
	0804757F	Joint National Training Center	т		2,915	2,939	n	
	Advanced	Advanced Technology Development		700,364	1,093,020	786,994		
	0603260F	Intelligence Advanced Development	4	7,144	4,453	4,612	D	
	0603287F	Physical Security Equipment	4		24,275	22,640	Þ	

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DEPARTMENT OF THE AIR FORCE. FY 2005 RDIEE PROGRAM

Date: FEB 2004 EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

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960 774,836 327,732 40,568 612,049 3,930 552 23,927 72,503 2,692 18,385 6,383 35,362 FY 2005 15,046 19,582 73,499 Thousands of Dollars 5,533 3,855 540 16,229 60,117 172,625 4,777 9,551 14,547 335, 430 36,271 13,621 159,899 25,844 FY 2004 44,618 802,341 264,681 16,434 6,953 38,390 22,398 4,070 614 56,741 13,801 2,341 45,402 3,527 10,470 FY 2003 802,648 232,082 111,485 11,580 46,633 12,787 Act Intercontinental Ballistic Missile Unmanned Combat Air Vehicle (UCAV) NAVSTAR Global Positioning System Combat Identification Technology International Space Cooperative R&D Wideband Gapfiller System RDT&E (Space) Operationally Responsive Launch Hard and Deeply Buried Target Defeat System (HDBTDS) Program Advanced EHF MILSATCOM (SPACE) Transformational SATCOM (TSAT) NATO Research and Development Integrated Broadcast Service Joint Precision Approach and Landing Systems Air Force/National Program Cooperation (AFNPC) National Polar-orbiting Operational Environmental Satellite Sys (SPACE) Space Control Technology Polar MILSATCOM (SPACE) Next Generation Bomber Pollution Prevention Space-Based Radar Item 0603421F 0603430F 0603432F 0603434F 0603438F 0603742F 0603790F 0603791F 0603845F 0603850F 0603851F 0603854F 0603856F 0603858F 0603859F 0603860F 0604015F 0604327F 0604731F 0604855F Program Element Line 46 53 54 26 28 59 41 52 57

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	EXHIBIT R-1	Date: FEB 2004
DEPARTMENT OF THE AIR FORCE	FY 2005 RDIEE PROGRAM	APPROPRIATION: 3600F Research, Development, Test & Eval, AF

四国	Program Element			Thou	Thousands of Dollars		ω F	
Number	١	Item	Act	FY 2003	FY 2004	FY 2005	1 OI	
0604856F	6F	Common Aero Vehicle (CAV)	4		17,025	21,610	D	
0305178F	8 F	National Polar-Orbiting Operational Environmental Satellite System (NPOESS)	4.			307, 668	Þ	
Adv	peour	Advanced Component Development & Prototypes		1,429,066	2,032,666	2,384,536		
0603840F)F	Global Broadcast Service (GBS)	Ŋ	20,910	37,823	33,447	Ω	
0604012F	2F	Joint Helmet Mounted Cueing System (JHMCS)	ĸ	1,753	836	2,867	Þ	
0604222F	2F	Nuclear Weapons Support	ഹ	13,091	. 13,244	13,301	D	
0604226F	6F	B-1B	Ŋ	150,427	87,933	59,462	n	
0604233F	3F	Specialized Undergraduate Flight Training	Ŋ	1,772	3,239	3,359	Þ	
0604239F	Э.	F-22	rc	843,999	615,467	210,000	D	
0604240F	OF	B-2 Advanced Technology Bomber	ī.	232,151	165,920	245,049	D	
0604270F)F	Electronic Warfare Development	. rv	68,781	97,004	138,393	D	
0604280F	0F	Joint Tactical Radio	ß	13,667	38,096	49,856	D	
0604287F	7.E	Physical Security Equipment	ß		7,199	9,744	D	
0604329F	F	Small Diameter Bomb (SDB)	ĸ	56,292	125,373	76,489	Ð	
0604421F	Ŀı	Counterspace Systems	ស	37,077	81,629	75, 863	Ð	
0604435F	5.F	Advanced Polar MILSATCOM	ស		13,584		Đ	
0604441F	1.	Space Based Infrared System (SBIRS) High EMD	ى ر	775,346	610,230	508, 448	Ð	
0604479F	9F	Milstar LDR/MDR Satellite Communications (SPACE)	· ເກ	148,291	1,367	1,380	Ð	
0604600F)F	Munitions Dispenser Development	ιn ·	3,363	17,499	28,048	. D	
0604602F	7. FJ	Armament/Ordnance Development	S	8,530	8,347	8,353	D	
0604604F	# F	Submunitions	Ŋ	4,376	4,677	4,824	D	

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DEPARTMENT OF THE AIR FORCE

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

EXHIBIT R-1 Date: FEB 2004

1,349 2,911 258 2,307,420 538,860 10,053 6,630 10,303 141,012 44,947 5,894 FY 2005 18,714 91,687 27,000 15,665 Thousands of Dollars 5,026 7,909 40,615 FY 2004 14,550 24,077 2,290 14,550 6,941 2,092,547 172,713 2,372 6,887 13,360 35,159 11,105 13,881 14,517 70,481 3,585 9,982 119,689 55,782 FY 2003 7,870 17,021 37,541 12,573 1,277 4,695 1,612,826 13,214 15,244 50,535 32,081 Act Unmanned Combat Air Vehicle (UCAV) Intercontinental Ballistic Missile Evolved Expendable Launch Vehicle
Program (SPACE) Unmanned Combat Air Vehicle Joint Program Office Tactical Data Link Infrastructure Link-16 Support and Sustainment Multi-Sensor C2 Aircraft (MC2A) Combat Survivor Evader Locator Common Low Observables Verification System (CLOVerS) Full Combat Mission Training Joint Direct Attack Munition Family of Interoperable Operational Pictures (FIOP) Integrated Command & Control Applications (IC2A) Joint Strike Fighter (JSF) RDI&E for Aging Aircraft Intelligence Equipment Combat Training Ranges Agile Combat Support Life Support Systems A-10 Squadrons 0207450F 0207701F 0604617F 0604618F 0604706F 0604731F 0604735F 0604740F 0604750F 0604754F 0604762F 0604800F 0604851F 0604853F 0605011F 0207131F 0207256F 0207434F 0207443F 0305176F Program Element Number Line No 82 86 87 88 97 81

DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1
Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

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	FY 2005	16,439	4,708,025	34,517	58,933	24,970	4,813		28,839	356,266	7,984	44,521	58, 936	23,067	323		100,000	3,945	747,114	7,858	25,766
Thousands of Dollars	FY 2004	65,144	4,543,591	36,283	. 60, 992	24,377	4,652		34,343	326,918	22,976	38,579	33, 652	15,636	315		36,125	3,834	638,682	8,780	28,406
Thous	FY 2003	7,736	4,381,477	28,836	58,331	29,460	10,074	274,413	36,320	382,938	28,731	46,175			299	1,996	20,000	3,640	921,213	8,474	52,001
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	Ş	5		9	9	9	9	9	ω.	ø	9	9	ဖ	9	Q	9	9	9		7	7
	<u>Item</u> Act	CV-22 5	Development & Demonstration	Threat Simulator Development 6	Major T&E Investment 6	RAND Project Air Force 6	Ranch Hand II Epidemiology Study 6	Small Business Innovation Research 6	Initial Operational Test & 6 Evaluation	Test and Evaluation Support 6	Rocket Systems Launch Program 6 (SPACE)	Space Test Program (STP) 6	Facilities Restoration and 6 Modernization - Test and Evaluation Support	Facilities Sustainment - Test and 6 Evaluation Support	General Skill Training 6	Financing for Expired Account 6	Judgment Fund Reimbursement 6	International Activities 6	anagement Support	Anti-Tamper Technology Executive 7 Agency	B-52 Squadrons 7
Program Florest	Item		System Development & Demonstration						tial Operational Test & .luation		Systems Launch Program								RDIEE Management Support		

DEPARTMENT OF THE AIR FORCE. FY 2005 RDIGE PROGRAM

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

EXHIBIT R-1 Date: FEB 2004

		DEPARTMENT OF THE AIR FORCE FY 2005 RDIEE PROGRAM	artment of the air foi FY 2005 RDIGE PROGRAM	FORCE		EXHIBIT R-1	-
PRO	RIATION: 360	PROPRIATION: 3600F Research, Development, Test & Eval, AF	, AF			Date: FEB 2004	4
9	Program			Thousands	Thousands of Dollars		03 1
	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 01
.38	0207268F	Aircraft Engine Component Improvement Program	7	174,205	178,582	165, 609	D
.39	0207277F	CSAF Innovation Program		1,671	2,856	1,879	Ω
40	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	7	48, 633	25,498	45,777	D
41	0207410F	Air & Space Operations Center (AOC)		68,890	27,513	27, 695	Þ
42	0207412F	Control and Reporting Center (CRC)	7	6,099	15,868	11,634	D
.43	0207417F	Airborne Warning and Control System (AWACS)	7	163,725	267,846	288,787	Þ
44	02Q7423F	Advanced Communications Systems	7	27,326	12,208	20,066	Þ
.45	0207424F	Evaluation and Analysis Program	7.	227,032		_	Þ
.46	0207433F	Advanced Program Technology	7	100,048	263,671	249,391	D
47	0207438F	Theater Battle Management (TBM) C41	7	33,304	32,505	37,210	D
48	0207445F	Fighter Tactical Data Link	7	28,955	42,318	50,976	Þ
49	0207446E	Bomber Tactical Data Link	۲.		12,849	120,256	Þ
.50	0207448F	C2ISR Tactical Data Link	7	•	26,503	25,441	Þ
.51	0207449E	. Command and Control (C2) Constellation	7	337,764	360,051	44,035	D
.52	0207581F	Joint Surveillance/Target Attack Radar System (JSTARS)	7	62,103	57,760	89,247	Þ
53	0207590F	Seek Eagle	٢	16,080	19,421	23,159	D
.54	0207591F	Advanced Program Evaluation	7	242,161	292,478	474,734	Þ
.55	0207601F	USAF Modeling and Simulation	7	25,540	12,873	18,693	D
.56	0207605F	Wargaming and Simulation Centers	7	7,894	7,201	6,377	Þ
. 57	0208006F	Mission Planning Systems	7	19,795	51,645	136,701	D

DEPARTMENT OF THE ALR FORCE FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

es e	a 01	Ω	n	Þ				•		D.	D	Þ	Þ	D	D	D	Ð			D	D	D
	FY 2005	7,230					·			11,172		33,183	79,625	18,637	3,611		272,149	•		.7,291	17,833	16,526
Thousands of Dollars	FY 2004	11,988								44,000	•	10,595	47,718	17,239	3,500		171,860		142,801	6,820	20,468	16,098
Thousa	FY 2003	8,998	181,514	38,748						47,393	2,009	2,253	21, 659	25,739	3,218	4,344	65,090		147,665	6,961	16,725	14,492
	וע		_	7		7	7	7		7	7		,L	7	7		7	7	7	7	7	
	Act	•	• •		• ,		•		•		·	·	·		-	•						
	Item	Information Warfare Support	Technical Evaluation System	Special Evaluation System	National Air Intelligence Center	COBRA BALL	Missile and Space Technical Collection	FOREST GREEN	Management HQ - GDIP	E-4B National Airborne Operations Center (NAOC)	Defense Satellite Communications System (SPACE)	Minimum Essential Emergency Communications Network (MEECN)	Information Systems Security Program	Global Combat Support System	Global Command and Control System	Communications Security (COMSEC)	MILSATCOM Terminals	Special Activities	Selected Activities	Global Air Traffic Management (GATM)	Satellite Control Network (SPACE)	Weather Service
Program	Number	0208021F	0208160F	0208161F	0301310F	0301314E	0301315F	0301324F	0301398F	0302015F	0303110F	0303131F	0303140F	0303141F	0303150F	0303401F	0303601F	0304111F	0304311F	0305099F	0305110F	. 0305111F
	N ON	158	159	.160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178

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DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

; !	Program			Thousa	Thousands of Dollars		es es
	Number	Item	Act	FY 2003	FY 2004	FY 2005	1 O J
179	0305114F	Air Traffic Control, Approach, and Landing System (ATCALS)	, L	9,141	10,421	7,371	Ð
180	0305116F	Aerial Targets	7			5,178	D
181	0305128F	Security and Investigative Activities	7	443	20,300	484	Ð
182	0305142F	Applied Technology and Integration	. '				
183	0305148F	Air Force Tactical Measurement and Signature Intelligence (MASINT) Systems/Progr	7	15,259	7,436	7,905	p
184	0305159F	Defense Reconnaissance Support Activities (SPACE)		41,631	95,961	219,345	D
185	0305160F	Defense Meteorological Satellite Program (SPACE)	7	5,031	706		D
186	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	7.	80,500	99,449	104,114	D.
187	0305165F	NAVSTAR Global Positioning System (Space and Control Segments)	7	284,036	144,790	148,344	D
188	0305172F	Combined Advanced Applications	7				
189	0305174F	Space Warfare Center	, ,		401	411	n
190	0305182F	Spacelift Range System (SPACE)	7	90,781	806 '69	47,253	D
191	0305191F	Personnel Security Investigations Program - Air Force	7			118,787	D
192	0305193F	Intelligence Support to Information Operations (IO)	7			1,097	D
193	0305202F	Dragon U-2 (JMIP)	7	24,101	46,599	87,745	D
194	0305205F	Endurance Unmanned Aerial Vehicles	7	352,679	401,413		D
195	0305206F	Airborne Reconnaissance Systems	7	64,380	77,930	55,464	D
196	0305207F	Manned Reconnaissance Systems	7	8,357	15,682	13,283	D

DEPARTMENT OF THE AIR FORCE FY 2005 RDT&E PROGRAM

EXHIBIT R-1

APPROP	APPROPRIATION: 3600F Re	F Research, Development, Test & Eval, AF	7			Date: FEB 2004	
	Program			Thousand	Thousands of Dollars	Ø E	
N N	Number	<u>Item</u>	Act	FY 2003	FY 2004	FY 2005 C	
197	0305208F	Distributed Common Ground/Surface Systems	7	30,885	277,72	21,232 U	
198	0305219F	Predator UAV (JMIP)	7			81,346 U	
199	0305220F	Global Hawk UAV (JMIP)	7	·	-	336,159 U	
200	0305887F	Intelligence Support to Information Warfare	7			D 63	
201	0305906F	NCMC - TW/AA System	7	14,600	57,107	64,822 U	
202	0305910F	SPACETRACK (SPACE)	7	20,289	104,694	161,838 U	
203	0305911F	Defense Support Program (SPACE)	7	1,935		D	
204	0305913F	NUDET Detection System (SPACE)	7	20,754	35,428	35,398 U	
205	0305917F	Space Architect	7	•.	12,446	12,907 U	
206	0308601F	Modeling and Simulation Support	, L	1,936		D	
207	0308699F	Shared Early Warning (SEW)		3,604	3,210	3,345 U	
208	0401115F	C-130 Airlift Squadron	7	130,279	104,486	150,242 U	
209	0401119F	C-5 Airlift Squadrons (IF)	7	273,750	346,541	332,982 U	
210	0401130F	C-17 Aircraft (IF)	7	155,805	183,913	199,692 U	
211	0401132F	C-130J Program	7	1,890	13,436	36,305 U	
212	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	t.	51,311	45,543	73,684 U	
213	0401218F	KC-135s	7	1,908	3,147	1,079 U	
214	0401219F	KC-10s	7	20,149	2,286	18,452 U	
215	0408011F	Special Tactics / Combat Control				1,067 U	
216	0702207E	Depot Maintenance (Non-IF)	7	2,209	1,394	1,431 U	
217	0702806F	Acquisition and Management Support	7			1,596 U	
218	0708011F	Industrial Preparedness	7	45,340	57,007	38,012 U	

DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Item					
ı		Act	FY 2003	FY 2004	FY 2005 C
Logistics Support Activities	ivities	٠ ل	8,718	1,381	n
Reliabi Maintai	Productivity, Reliability, Availability, Maintain: Prog Ofc (PRAMPO)	7	9,154	8,924	D
Support Systems Development	opment	7	50,035	72,843	50,238 U
Computer Resources Support Improvement Program (CRSIP)	pport (CRSIP)	7	2,049		D
Other Personnel Activities	rities	7			110 U
Service-Wide Support (Not Otherwise Accounted For)	(Not	7	3,687	4,333	D
nsation	Civilian Compensation Program.		14,189	7,069	7,272 U
gement pment	Financial Management Information Systems Development	7	14,551	13,284	15,732 U
Systems Development			10,465,945	10,757,771	11,356,318
est £	Development, Test & Eval, AF		18,934,575	20,293,595	21,114,667

DEFENSE-WIDE

FY 2005 RDTGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	508,190	207,088	190,088
Applied Research	1,813,154	1,762,980	1,876,306
Advanced Technology Development	2,472,793	2,933,712	3,047,451
Advanced Component Development & Prototypes	5, 602, 802	7,544,878	9,429,174
System Development & Demonstration	1,395,367	335,261	424,870
RDI&E Management Support	1,000,827	769,218	711,326
Operational Systems Development	5,045,582	5,373,561	5,060,622
Total Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837
Summary Recap of FYDP Programs			
General Purpose Forces	53,205	51,699	48,314
Intelligence and Communications	4,528,123	4,797,538	4,623,088
Research and Development	12,685,387	13,259,016	15,369,544
Central Supply and Maintenance	48,923	81,272	22,394
Administration and Associated Activities	61,167	141,944	187,400
Support of Other Nations		24,363	30,399
Special Operations Forces	461,910	570,866	458, 698
Total Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837

Defense-Wide

FY 2005 RDTEE PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

ummary Recap of Defensewide	FY 2003	FY 2004	FY 2005	
Special Operations Command	484,692	594,630	481,817	
Defense Contract Management Agency	14,340	15,638	17,373	
Chemical and Biological Defense Program	638,013	705,946	559,901	
National Geospatial Intelligence Agency				
Defense Threat Reduction Agency	498, 432	398,220	442,292	
Counter Intelligence Field Activity				
Missile Defense Agency	6,687,013	7,625,487	9,146,672	
Office of Secretary Of Defense	2,340,094	1,945,386	2,332,926	
Defense Adv Research Projects Agcy	2,654,979	2,831,456	3,090,279	
National Security Agency				
The Joint Staff	109,284	126,715	120,247	
Defense Information Systems Agency	263,735	311,991	318,508	
Defense Intelligence Agency				
Defense Contract Audit Agency	537			
Defense Logistics Agency	191,875	215,463	59, 560	
DoD Human Resources Activity	27,896	28,897	76,761	
Defense Security Cooperation Agency	2,739	5,840	6,995	
Defense Security Service	463	-		
Total Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837	

DEFENSE-WIDE FY 2005 RDIGE PROGRAM

Line 읽

EXHIBIT R-1 Date: FEB 2004 104,385 9,668 9,590 147,533 36,769 339,175 FY 2005 143,729 190,088 14,192 25,441 342,614 502,044 Thousands of Dollars 969'9 9,578 51,380 18,518 20,651 26,830 207,088 334,696 13,250 149,105 151,372 247,405 465,450 FY 2004 139,434 53,162 11,609 14,156 8,240 15,197 26,056 390,607 54,870 FY 2003 2,044 171,383 508,190 25,306 157,861 170,183 168,826 232,653 11,355 414,437 APPROPRIATION: 0400D Research, Development, Test & Eval, DW Jet | Government/Industry Cosponsorship of University Research In-House Laboratory Independent Defense Experimental Program to Stimulate Competitive Research Historically Black Colleges and Universities (HBCU) Science Embedded Software and Pervasive Computing Chemical and Biological Defense University Research Initiatives Chemical and Biological Defense Medical Free Electron Laser Lincoln Laboratory Research Program High Energy Laser Research Initiatives Biological Warfare Defense Materials and Electronics Technology Defense Research Sciences Communications Technology Force Health Protection Computing Systems and Tactical Technology Item Research Basic Research 0602227D82 0601108082 0601114D82 0602228D8Z 0602234D8Z 0601101D8Z 0601103D82 0601105D8Z 0601111D8Z 0601384BP 0602384BP 0601101E 0602301E 0602302E 0602383E 0602702E 0602712E Program 11

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DEFENSE-WIDE FY 2005 RDIGE PROGRAM

EXHIBIT R-1

APPRO	APPROPRIATION: 0400D Re	OD Research, Development, Test & Eval,	, DW			Date: FEB 2004	04
Line	Program			Thous	Thousands of Dollars		on M
읽	Number	Item	Act	FY 2003	FY 2004	FY 2005	ı Ol
1.8	0602716BR	WMD Defeat Technology	7	228,827	184,109	249,786	D
19	0602717BR	WMD Defense Technologies	7	115,681	115,497	116,113	Þ
20	0602787D82	Medical Technology	8	6,100	11,641	10,084	Þ
21	0602890D8Z	High Energy Laser Research	8	42,791			Þ
22	1160401BB	Special Operations Technology Development	7		19,274	13,109	n
23	1160407BB	SOF Medical Technology Development	2		5,182	2,162	D
	Applied Resea	Research		1,813,154	1,762,980	1,876,306	
24	0603002D8Z	Medical Advanced Technology	ო		5,941	2,063	. Þ
25	0603104D8Z	Explosives Demilitarization Technology	m	17,494		·	D
26	0603121D8Z	SO/LIC Advanced Development	М	18,495	33, 605	32, 682	Ω
27	0603122D8Z	Combating Terrorism Technology Support	m	114,374	97,291	46,719	Þ
. 8	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	m	105,164	90,338	74,456	Þ
29	0603175C	Ballistic Missile Defense Technology	m į	151,217	225,268	204,320	Þ
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	ო	18,124	24,648	23,319	Þ
31	0603232D8Z	Automatic Target Recognition	ю	4,403			D
32	0603285E	Advanced Aerospace Systems	ო	242,095	315,941	361,067	Þ
33	0603384BP	Chemical and Biological Defense Program - Advanced Development	m	105,700	156,496	117, 343	Þ
34	0603400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology Development and R	m .			284,617	Þ
35	0603704D8Z	Special Technical Support	m	12,878	13,495		Þ
				٠			

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DEFENSE-WIDE

		7 2005 F	DEFENSE-WIDE FY 2005 RDIGE PROGRAM	PA.		EXHIBIT R-1	
APPRO	PRIATION: 040(APPROPRIATION: 0400D Research, Development, Test & Eval, DW	DW			Date: FEB 2004	
1	Program			Thousand	Thousands of Dollars	(2) (4	
N N	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
36	0603711BR	Arms Control Technology	ო	42,023	6,438	D	
37	0603712S	Generic Logistics R&D Technology Demonstrations	ო	130,577	123,111	27,542 U	
38	0603716D8Z	Strategic Environmental Research Program	ო	50,938	49,883	56,936 U	
39	0603727D8Z	Joint Warfighting Program	ĸ	8,850	10,284	9,936 U	•
40	0603739E	Advanced Electronics Technologies	m	158,847	186,748	218,151 U	
41	0603750D8Z	Advanced Concept Technology Demonstrations	ဇ	195,136	218,167	213,901 U	
42	0603755D8Z	High Performance Computing Modernization Program	Ю	185,221	202,492	186,666 U	
. 4. E	0603760E	Command, Control and Communications Systems	 ო	115,654	193,562	225,784 U	
44	0603762E	Sensor and Guidance Technology	m j	216,052	336, 658	337,117 U	
45	0603763E	Marine Technology	m	26,164	13,751	n	
46	0603764E	Land Warfare Technology	ო	164,634	81,513	63,121 U	
47	0603765E	Classified DARPA Programs	m	261,851	218,192	238,131 U	
48	0603766E	Network-Centric Warfare Technology	, m		91,226	125,124 U	
49	0603769SE	Distributed Learning Advanced Technology Development	m	15,230	13,611	13,756 U	
50	0603781D8Z	Software Engineering Institute	٣	21,535	22,324	21,599 U	
51	06038058	Dual Use Application Programs	ĸ	5,750	3,710	n	
52	0603826D8Z	Quick Reaction Special Projects	ю	24,076	46,566	64,389 U	
53.	0603832D8Z	Joint Wargaming Simulation Management Office	m	45,835	41,735	46,017 U	
54	0603924D8Z	High Energy Laser Advanced Technology Program	m	12,793		Ω	
55	0603942D8Z	Technology Link	m		3,547	1,934 U	

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DEFENSE-WIDE FY 2005 RDIGE PROGRAM

APPRO	PRIATION: 0400	APPROFRIATION: 0400D Research, Development, Test & Eval, DW	DM	· :		Date: FEB 2004	4.
Line	Program Element			Thous	Thousands of Dollars		S) E
읽	Number	Item	Act	FY 2003	FY 2004	FY 2005	U
56	0605160D8Z	Counterproliferation Support	ĸ	1,683	1,851	1,958	n
57	1160402BB	Special Operations Advanced Technology Development	m		105,320	48,803	D
	Advanced	Technology Development (ATD)		2,472,793	2,933,712	3,047,451	
28	0603228D8Z	Physical Security Equipment	4	46,872	1,183		Ω
59	0603709D8Z	Joint Robotics Program	4	19,235	15,784	11,771	Ω
09	0603714D8Z	Advanced Sensor Applications Program	4	16,914	32,983	17,581	D.
61	0603736D8Z	CALS Initiative	4	7,362			D
. 62	0603851D8Z	Environmental Security Technical Certification Program	4	20,091	35,191	32,546	n
63	06038690	Meads Concepts	4	101,754			Þ
64	0603879C	Advanced Concepts, Evaluations And Systems	4		149,993	256, 159	Ð
65	0603880C	Ballistic Missile Defense System Segment	4	1,026,566			Ð
99	06038810	Ballistic Missile Defense Terminal Defense Segment	.	134,093	874,527	937,748	n
67	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4	3,056,035	3,724,066	4,384,775	D
89	0603883C	Ballistic Missile Defense Boost Defense Segment	4	705,643	617,270	492, 614	Þ
69	0603884BP	Chemical and Biological Defense Program	4	91,567	131,433	104,195	D
٠ 70	0603884C	Ballistic Missile Defense Sensors	4	327,013	425, 421	591,957	Ð
71	0603886C	Ballistic Missile Defense System Interceptor	4		117,711	511,262	D
72	0603888C	Ballistic Missile Defense Test & Targets	4		633,782	713,658	Þ

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DEFENSE-WIDE FY 2005 RDIES PROGRAM

		FY 2005 1	2005 RDIER PROGRAM	OGRAM		EXHIBIT R-1	н
APPRO	APPROPRIATION: 0400D)D Research, Development, Test & Eval, DW	, DW			Date: FEB 2004	4
	Program			Thous	Thousands of Dollars		6 00
is is	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 OI
73	06038890	Ballistic Missile Defense Products	4		305,309	418,608	D
74	0603890C	Ballistic Missile Defense Systems Core	4		445,356	479,764	Þ
75	0603910D8Z	Strategic Capability Modernization	4	19,461		1	D
92	0603920D8Z	Humanitarian Demining	4	12,627	13,108	13,747	р
77	0603923D8Z	Coalition Warfare	4	6,545	5,822	5,886	D
78	0604400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Component and Prototype Deve	4			422,873	Đ
79	0604722D8Z	Joint Service Education and Training Systems Development	ਧਾ .	961	987		Ð
80	0605017D8Z	Reduction Of Total Ownership Cost	41		÷	27,351	p.
81	0303191D8Z	Joint Electromagnetic Technology (JET) Program	4	10,063	14,944	6,679	D.
	Advanced	Component Development & Prototypes		5,602,802	7,544,878	9,429,174	
82	0604384BP	Chemical and Biological Defense Program	ro,	168,723	176,337	152,379	Ω
83	0604618D8Z	MANPADS Defense Program	ιń		. 2,958	14,135	D
84	0604709D8Z	Joint Robotics Program	ស	27,326	21,381	13,845	Þ
82	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	ம	25,480	16,673	18,183	D
98	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	r.	10,122	10,478	18,515	D
87	0604861C	Theater High-Altitude Area Defense System - TMD	S	864,216			Ď
88	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	S	138, 922			· p
89	0605013BL	Information Technology Development	ம	3,858	10,498	10,683 · U	D
90	0605013D8Z	Prototype Accounting Systems	ഹ	8,889			D

DEFENSE-WIDE FY 2005 RDIEE PROGRAM

EXHIBIT R-1

	Program		•	Thous	Thousands of Dollars		Ø
Line No	Element Number	Item	Act	FY 2003	FY 2004	FY 2005	M 01
91	0605014SE	Information Technology Development	2			52,407	D
92	0605015BL	Information Technology Development-Standard Procurement System (SPS)	ហ	10,482	5,140	6, 690	Ð,
93	0605016D8Z	Financial Management System Improvements	S	67,191	45,098	94,767	Þ
94	0303129K	Defense Message System	r.	11,279	9,662	6, 623	D
95	0303140K	Information Systems Security Program	κ	18,005	9, 688	2,493	D
96	0303141K	Global Combat Support System	, s	16,709	16,396	17,867	D
97	0303158K	Joint Command and Control Program (JC2)	ĸ			3,000	Ď
86	0305840K	Electronic Commerce	ιύ	24,165	7,137	3,466	D
66	03058408	Electronic Commerce	Ω		2,335	2,345	D
100	0901200D8Z	BMMP Domain Management and Systems Integration	ស		4,480	7,472	Þ
	System D	System Development and Demonstration (SDD)		1,395,367	335,261	424,870	
101	0603704D8Z	Special Technical Support	y			19,274	Þ
102	0603757D82	Training Transformation (T2)	9		2,909		Þ
103	0603835D8Z	Transformation Initiatives Program	· o			9,977	Ω
104	0603858D8Z	Unexploded Ordnance Detection and Clearance	•	1,109		٠	D
105	0604774D8Z	Defense Readiness Reporting System (DRRS)	9		15,336	19, 691	D
106	0604875D8Z	Joint Systems Architecture Development	ω			4,989	,
107	0604943D8Z	Thermal Vicar	9	6,949	7,053	7,263	Þ
108	0605104D8Z	Technical Studies, Support and Analysis	9	29,465	29,762	30,618	Þ

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DEFENSE-WIDE FY 2005 RDIGE PROGRAM

APPROL	APPROPRIATION: 0400D Re	D Research, Development, Test & Eval,	DW .	•		Date: FEB 2004	
Line	Program			Thousan	Thousands of Dollars	ល្យ	
읽	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
109	0605110BR	Critical Technology Support	y.	1,823	1,838	1,937 U	
110	0605114D8Z	BLACK LIGHT	9	14,547	19,388	21,535 U	
111	0605116D8Z	General Support to C3I	9	21,853	25,529	Þ	
112	0605117D82	Foreign Material Acquisition and Exploitation	, v .	23,422	33,421	35,572 U	
113	0605123D8Z	Interagency Export License Automation	9	862	7,718	5,882 U	
114	0605124D8Z	Defense Travel System	9	30,353	31,342	28,508 U	
115	0605126J	Joint Theater Air and Missile Defense Organization	9	74,905	85,078	86,409 U	
116	0605128D8Z	Classified Program USD(P)		186,192	145,835	D	
117	0605130D8Z	Foreign Comparative Testing	9	29, 319	36,464	35, 633 U	
118	0605170D8Z	Support to Networks and Information Integration	· ·			11,490 U	
119	0605200D8Z	General Support to USD (Intelligence)	9		٠	4,830 U	
120	0605384BP	Chemical and Biological Defense Program	•	48,678	38,928	42,652 U	
121	0605502BR	Small Business Innovation Research	9	4,914		D	
122	0605502C	Small Business Innovative Research - MDA	9	138,791			
123	0605502D8Z	Small Business Innovative Research	9	37,539		D.	
124	0605502E	Small Business Innovative Research	.	64,848		D	
125	0605710D8Z	Classified Programs - C3I	9	75,066	41,541	n	
126	0605790082	Small Business Innovation Research/Challenge Administration	9	1,965	1,997	1,999 U	
127	06057988	Defense Technology Analysis	. · •	6, 625	5,035	7,279 U	
128	0605799D8Z	Force Transformation Directorate	•	9,416	19,388	19,591 U	

UNCLASSIFIED

DEFENSE-WIDE FY 2005 RDIGE PROGRAM

•		DEFE FY 2005	DEFENSE-WIDE 2005 RDIEE PROGRAM	ROGRAM		EXHIBIT R-1	
APPRO	PRIATION: 0400	APPROPRIATION: 0400D Research, Development, Test & Eval, DW	1, DW			Date: FEB 2004	
, .	Program			Thous	Thousands of Dollars	0) 1 2	
	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
129	0605801K	Defense Technical Information Services (DTIC)	Q	42,963	43,494	45,203 U	
130	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	ဖ	12,666	15,286	10,598 U	
131	0605804D8Z	Development Test and Evaluation	9.	46,944	8,808	8,882 U	
132	0605898E	Management HQ - R&D	9	44,850	. 44,525	46,689 U	
133	0303169D8Z	Information Technology Rapid Acquisition	vo			19,958 U	
134	0305193D8Z	Intelligence Support to Information Operations (IO)	•			12,878 U	
135	0305193G	Intelligence Support to Information Operations (IO)	φ .				
136	0901585C	Pentagon Reservation	9	7,432	14,327	13,884 U	
137	0901598C	Management HQ - MDA	ø	35,331	92,449	141,923 U	
138	0901598D8W	IT Software Dev Initiatives	9		1,767	1,700 U	
139	36666060	Financing for Cancelled Account Adjustments	9	2,000		D .	
	RDTGE MAI	RDT&E Management Support		1,000,827	769,218	711,326	-
140	0604805D8Z	Commercial Operations and Support Savings Initiative	7	14,499		D	
141	0605127T	Partnership for Peace (PfP) Information Management System	7	2,739	5,840	n 566'9	
142	0607384BP	Chemical and Biological Defense (Operational Systems Development)	7			2,178 U	
143	0208043J	Classified Programs	7		1,448	1,663 .U	
144	0208045K	C41 Interoperability	7	44,696	43, 122	41,074 U	
145	0208052J	Joint Analytical Model Improvement Program	7	8,509	7,129	5,577 U	
146	0300205R	Information Technology Systems	7	537		D	

UNCLASSIFIED

DEFENSE-WIDE FY 2005 RDIEE PROGRAM

EXHIBIT R-1

Date: FEB 2004	Thousands of Dollars	FY 2003 FY 2004 FY 2005 C							1,016 1,116 1,240 U	6,802 2,423 2,517 U	1,602 1,380 11,401 U	4,27 5 U	7,641 7,089 7,261 U	14,576 11,135 U	473,128 477,791 477,846 U	9,466 4,139 4,177 U	19,103 36,489 24,712 U	17,421 50,400 43,693 U	15,667 16,565 18,941 U	12,689 8,503 U	30,364 52,059 U
MG.		Act	L ,	7	7	7	7	7	7			. ^	7	7	7	7	7	7	7	. ~	
OD Research, Development, Test & Eval, DW		Item	Cryptologic Activities	General Defense Intelligence Program	HUMINT (Controlled)	Management HQ - GDIP	CLASSIFIED PROGRAMS	SPECIAL PROGRAM	National Military Command System-Wide Support	Defense Info Infrastructure Engineering and Integration	Long-Haul Communications - DCS	Support of the National Communications System	Minimum Essential Emergency Communications Network (MEECN)	Information Systems Security Program	Information Systems Security Program	C4I for the Warrior	C4I for the Warrior	Global Command and Control System	Joint Spectrum Center	Defense Collaboration Tool Suite (DCTS)	Net-Centric Enterprise Services
APPROPRIATION: 0400D Re	Program	Number	0301011G	0301301L	0301318BB	03013981	0301555BB	0301556BB	0302016K	0302019K	0303126K	0303127K	0303131K	0303140D8Z	0303140G	0303149J	0303149K	0303150K	0303153K	0303165K	0303170K
APPROP			147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165

EXHIBIT R-1

DEFENSE-WIDE FY 2005 RDIGE PROGRAM

			. •												÷					
Date: FEB 2004	62 B	FY 2005 C	10,272 U	20,758 U			. 28,021 U		D	32,939 U	D		D	Ω			214,222 U			
	Thousands of Dollars	FY 2004	10,304	23,764			2,023	•		105,462	30,312		130,178	245,536						
	Thousa	FY 2003	6,911	22,782					463	23,035	66,500		106,672	225,789						•
MQ ,	,	Act	7	7	7	۲.	7	7	7	7	7	7	۲.	7	۲ .	7	7	7	7	7
D Research, Development, Test & Eval, DW		Item	Teleport Program	Special Applications for Contingencies	National Imagery and Mapping Program	Defense Imagery and Mapping Program	Critical Infrastructure Protection (CIP)	Foreign Counterintelligence Activities	Foreign Counterintelligence Activities	Defense Joint Counterintelligence Program (JMIP)	Defense Joint Counterintelligence Program (JMIP)	Defense Human Intelligence (HUMINT) Program (DHIP)	C3I Intelligence Programs	Technology Development	Intelligence Support to Information Operations (IO)	Intelligence Support to Information Operations (IO)	Net Centricity	Dragon U-2 (JMIP)	Airborne Reconnaissance Systems	Manned Reconnaissance Systems
APPROPRIATION: 0400D Rese	Program	Number	0303610K	0304210BB	0304345BQ	0305102BQ	0305125D8Z	0305127BZ	0305127V	0305146BZ	0305146D8Z	0305183L	0305190D8Z	0305191D8Z	0305193G	0305193L	0305199D8Z	0305202G	0305206G	0305207G
APPROP	1		166	167	168	169	17.0	171	172	173	174	175	176	177	178	179	180	181	182	183

Date: FEB 2004 EXHIBIT R-1

DEFENSE-WIDE. FY 2005 RDIGE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

Distributed Common Ground/Surface 7 Systems 5 Distributed Common Ground/Surface 7 Distributed Common Ground/Surface 7 Systems 5 Distributed Common Ground/Surface 7 Systems 6 Distributed Common Ground/Surface 7 Systems 7 L Hard and Deeply Buried Target 7 Hard and Deeply Buried Target 7 Intelligence Planning and Review 7 Activities 7 Counterdrug Intelligence Support 7 Counterdrug Intelligence Support 7 Industrial Preparedness 7 Counterdrug Intelligence Support 7 Industrial Preparedness 7 Industrial Preparedness 7 S Industrial Preparedness 7 Industrial Business Innovative 7 Management Headquarters (JCS) 7 Industrial Business Innovative 7 Research/Small Bus Tech Transfer 7 Pilot Prog 8 Special Operations Technology 7 Technology Development 7 Systems Special Operations Tactical 7 Systems Development 7 Systems Development 7 Systems Special Operations Tactical 7 Systems Development 7 Systems Social Operations Tactical 7 Systems Special Operations Tactical 7 Systems Development 7 Systems Special Operations Tactical 7 Systems Development 7 Systems Special Operations Systems Syste	Drogram			Ę	Thomsands of Dollers		. 0.	
Distributed Common Ground/Surface 7 2003 FY 2004 FY 2005 Systems Distributed Common Ground/Surface 7 2005 Systems Systems 2005	Element				erection to spine) E	
Distributed Common Ground/Surface 7 2 2 2 2 2 2 2 2 2	Number	Item	Act	FY 2003	FY 2004	FY 2005	ยเ	
Distributed Common Ground/Surface 7 Systems Distributed Common Ground/Surface 7 Systems Hard and Deeply Buried Target 7 Threlligence Planning and Review 7 Activities Tactical Cryptologic Activities 7 10,632 Mational Security Space Architect 7 10,632 Mational Security Space Architect 7 20,741 45,871 11,005 Industrial Preparedness 7 20,741 45,871 11,005 Management Headquarters (JCS) 7 16,404 28,921 22,421 Small Business Innovative 7 11,546 13,498 Small Business Innovative 8 NATO Joint STARS 7 11,546 13,498 Special Operations Technology 7 17,914 Development 5pecial Operations Tactical 1 254,842 298,825 311,966 Systems Development 7 3,317 3,317	0305208BQ	Distributed Common Ground/Surface Systems	7					
Distributed Common Ground/Surface 7 Systems Hard and Deeply Buried Target 7 Intelligence Planning and Review 7 Activities 7 Tactical Cryptologic Activities 7 Mational Security Space Architect 7 Mational Security Space Architect 7 Management Headquarters (JCS) 7 Mations Development 7 Management Headquarters (JCS)	0305208G	Distributed Common Ground/Surface Systems	7					
Hard and Deeply Buried Target	0305208L	Distributed Common Ground/Surface Systems	7					
Intelligence Planning and Review	0305883L	Hard and Deeply Buried Target (HDBT) Intel Support						
Tactical Cryptologic Activities	0305884L	စ္ပ	7					
Counterdrug Intelligence Support 7 10,632 National Security Space Architect 7 10,632 Industrial Preparedness 7 20,741 45,871 11,005 Logistics Support Activities 7 28,182 35,401 11,389 Management Headquarters (JCS) 7 16,404 28,921 22,421 NATO Joint STARS 7 11,546 13,498 Small Business Innovative 7 11,546 13,498 Special Operations Technology 7 17,914 Special Operations Advanced 7 80,719 Special Operations Intelligence 7 254,842 298,825 311,966 Special Operations Intelligence 7 5,015 Systems Development 7 3,317 3,317 Sof Medical Technology Development 7 3,317 Sof Medical Technology Development 7 3,317 Sof Medical Technology Development 7 3,317 Control Operations Intelligence 7 3,418 Contr	0305885G	Tactical Cryptologic Activities	7					
National Security Space Architect 7 10,632 (NSSA)	0305889G	Counterdrug Intelligence Support	7					
Industrial Preparedness 7 20,741 45,871 11,005 Logistics Support Activities 7 28,182 35,401 11,389 Management Headquarters (JCS) 7 16,404 28,921 22,421 NATO Joint STARS 7 11,546 13,498 30,399 Small Business Innovative Filot Prog 7 17,914 13,498 30,399 Special Operations Technology 7 17,914 80,719 7 254,842 298,825 311,966 Special Operations Tactical Special Operations Intelligence Systems Development 7 6,670 47,084 25,015 Systems Development 7 3,317 3,317 25,015	0305917D8Z		7	10,632			D	
Management Headquarters (JCS) 7 28,182 35,401 11,389 Management Headquarters (JCS) 7 16,404 28,921 22,421 NATO Joint STARS 7 24,363 30,399 Small Business Innovative Research/Small Bus Tech Transfer Pliot Prog 7 11,546 13,498 Special Operations Technology 7 17,914 30,399 Special Operations Advanced Technology Development 7 80,719 311,966 Special Operations Intelligence Systems Development 7 554,842 298,825 311,966 Systems Development 7 6,670 47,084 25,015 Systems Development 7 3,317 3,317	07080118	Industrial Preparedness	7	20,741	45,871	11,005	D	
Zamil Business Innovative Research/Small Bus Tech Transfer 7 16,404 28,921 22,421 Small Business Innovative Research/Small Bus Tech Transfer 7 11,546 13,498 30,399 Special Operations Technology 7 17,914 7 17,914 7 Special Operations Advanced Technology Development 7 80,719 311,966 Special Operations Tactical Systems Development 7 254,842 298,825 311,966 Special Operations Intelligence Systems Development 7 6,670 47,084 25,015 Systems Development 7 3,317 3,317	07080128	Logistics Support Activities	7	28,182	35,401	11,389	D	
24,363 30,399 Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog 7 11,546 13,498 30,399 Special Operations Technology 7 17,914 7 17,914 311,966 Special Operations Advanced Technology Development 7 80,719 311,966 311,966 Special Operations Tactical Systems Development 7 6,670 47,084 25,015 Special Operations Intelligence Systems Development 7 6,670 47,084 25,015 Systems Development 7 3,317 3,317 3,317	0902298J	Management Headquarters (JCS)	7	16,404	28,921	22,421	D	
Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog711,54613,498Special Operations Technology Development717,91480,719Special Operations Advanced 	1001018D8Z	NATO Joint STARS	7		24,363	30,399	D	
Special Operations Technology 7 17,914 Development Special Operations Advanced 7 80,719 Technology Development Special Operations Tactical 7 254,842 298,825 311,966 Systems Development Special Operations Intelligence 7 6,670 47,084 25,015 Systems Development SOF Medical Technology Development 7 3,317	1160279BB		7	11,546	13,498		D.	
Special Operations Advanced 7 80,719 Technology Development Special Operations Tactical 7 254,842 298,825 311,966 Systems Development Special Operations Intelligence 7 6,670 47,084 25,015 Systems Development 7 3,317	1160401BB	Special Operations Technology Development	7	17,914			D	
Special Operations Tactical 7 254,842 298,825 311,966 Systems Development Special Operations Intelligence 7 6,670 47,084 25,015 Systems Development SOF Medical Technology Development 7 3,317	1160402BB	Special Operations Advanced Technology Development	7	80,719			D	
Special Operations Intelligence 7 6,670 47,084 25,015 Systems Development SOF Medical Technology Development 7 3,317	1160404BB	Special Operations Tactical Systems Development	. 1	254,842	298,825	311,966		
SOF Medical Technology Development 7 3,317	1160405BB		7	6, 670	47,084	25,015	D	
	1160407BB	SOF Medical Technology Development	7	3,317		•	D	

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DEFENSE-WIDE FY 2005 RDIEE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

EXHIBIT R-1 Date: FEB 2004

ec -	9 7 11	_		
v) þ	FY 2005 C	57, 643 U	5,060,622	20,739,837
Thousands of Dollars	FY 2004	81,683	5,373,561	18,926,698
Thous	FY 2003	86,902	5,045,582	17,838,715
	Act	7		
7	Item	SOF Operational Enhancements	nal Systems Development	h, Development, Test & Eval, DW
Program	Number	202 1160408BB	Operational	Total Research,
•	N S	202	•	Ħ

DEFENSE-WIDE

FY 2005 RDIGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

3 FY 2004 FY 2005	1 12,804 16,295	18 289,276 288,840	9 302,080 305,135		9 302,080 305,135	9 302,080 305,135
Summary Recap of Budget Activities	Advanced Technology Development 8,571	RDT&E Management Support 231,008	Total Operational Test & Eval, Defense 239,579	Summary Recap of FYDP Programs	Research and Development 239,579	Total Operational Test & Eval, Defense 239,579

DEFENSE-WIDE FY 2005 RDIGE PROGRAM

EXHIBIT R-1

Date: FEB 2004	ollars	FY 2004 FY 2005 C		12,804 16,295	136,168 123,562 U	37,006 42,390 U	11,721 10,209 U		289,276 288,840	302,080 305,135
	Thousands of Dollars	FY 2003		8,571 12,804	124,319 136	27,472 37,	15,791		231,008 289,276	239,579 302,080
APPROPRIATION: 0460D Operational Test & Eval, Defense		<u>Item</u> Act	Test & Evaluation Science & 3 Technology	Advanced Technology Development	Central Test and Evaluation funcestment Development (CTEIP)	Operational Test and Evaluation 6	Live Fire Testing 6	Development Test and Evaluation 6	RDTEE Management Support	onal Test & Eval, Defense
APPROPRIATION: 046(Program	No Number	1 0603941D8Z	Advanced	2 0604940D8Z	3 0605118D8Z	4 0605131D82	5 0605804D8Z	RDTEE MAI	Total Operational

Special Operations Command FY 2005 RDIGE PROGRAM

EXHIBIT R-1

APPRO	APPROPRIATION: 0400D	0D Research, Development, Test & Eval, DW	1, DW			Date: FEB 2004	04
T.i.n	Program			Thous	Thousands of Dollars		on te
N N	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 UI
22	1160401BB	Special Operations Technology	2		19,274	13,109	Þ
		Development		-		•	
23	1160407BB	SOF Medical Technology Development	7		5,182	2,162	D
	Applied Research	Research		 1 1 1 1 1 1	24,456	15,271	
57	1160402BB	Special Operations Advanced Technology Development	m ·		105,320	48,803	Ð
	Advanced	Advanced Technology Development (ATD)			105,320	48,803	
149	0301318BB	HUMINT (Controlled)	7				
151	0301555BB	CLASSIFIED PROGRAMS	7				
152	0301556BB	SPECIAL PROGRAM	7				
167	0304210BB	Special Applications for Contingencies	7	22,782	23,764	20,758	D ·
	Operational	nal Systems Development		22,782	23,764	23,119	
196	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog		11,546	13,498		•
197	1160401BB	Special Operations Technology Development	7	17,914			Ð
198	1160402BB	Special Operations Advanced Technology Development	۲ .	80,719			Ð
199	1160404BB	Special Operations Tactical Systems Development	7	254,842	298,825	311,966	Ð
200	1160405BB	Special Operations Intelligence Systems Development	7	6,670	47,084	25,015	p.
201	1160407BB	SOF Medical Technology Development	7	3,317			D
202	1160408BB	SOF Operational Enhancements		86,902	81,683	57,643	D
	Operational	nal Systems Development		461,910	441,090	394,624	
-	Total Special	Total Special Operations Command		484,692	594,630	481,817	

Defense Contract Management Agency FY 2005 RDIEE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

EXHIBIT R-1 Date: FEB 2004

ល ព	4 UI	D	. D		
	FY 2005	10,683	6,690 U	17,373	17,373
Thousands of Dollars	FY 2004	10,498	5,140	15,638	15,638
Thousa	FY 2003	3,858	10,482	14,340	14,340
	Act	S	ß		
	Item	Information Technology Development	Information Technology Development-Standard Procurement System (SPS)	System Development and Demonstration (SDD)	Contract Management Agency
Program Element	Number	0605013BL	0605015BL	System De	Total Defense
T.	욁	68	92		Ħ

Chemical and Biological Defense Program FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

	FY 2005 C	36,769 U	36,769	104,385 U	104,385	117,343 U	117,343	104,195 U	104,195	152,379 U	152,379	42,652 U	42,652	2,178 U	2,178	559,901
lars						•	•				-	·		٠.		1
Thousands of Dollars	FY 2004	51,380	51,380	151,372	151,372	156,496	156,496	131,433	131,433	176,337	176,337	38, 928	38,928			705,946
Fi	FY 2003	53,162	53,162	170,183	170,183	105,700	105,700	91,567	91,567	168,723	168,723	48,678	48,678			638,013
	Act	н		2		. ო		♥ .		ស		ဖ		7		
	Item	Chemical and Biological Defense Program	ssearch	Chemical and Biological Defense Program	Research	Chemical and Biological Defense Program - Advanced Development	Advanced Technology Development (ATD)	Chemical and Biological Defense Program	Advanced Component Development & Prototypes	Chemical and Biological Defense Program	System Development and Demonstration (SDD)	Chemical and Biological Defense Program	RDT&E Management Support	Chemical and Biological Defense (Operational Systems Development)	onal Systems Development	il and Biological Defense Program
Program	Number	0601384BP	Basic /Research	0602384BP	Applied Resea	0603384BP	Advanced	0603884BP	Advanced	0604384BP	System D	0605384BP	RDTEE MA	0607384BP	Operational	Total Chemical and
		ω		15		33		69		82		120		142		H

National Geospatial Intelligence Agency FY 2005 RDIGE PROGRAM

			FY 200	FY 2005 RDIGE PROGRAM	FY 2005 RDT&E PROGRAM		EXHIBIT R-1
PPRO	PPROPRIATION: 04		00D Research, Development, Test & Eval, DW	al, DW			Date: FEB 2004
(Program				Thous	Thousands of Dollars	.
	Number	HI	Item	Act	FY 2003	FY 2004	FY 2005 C
168	0304345BQ		National Imagery and Mapping Program	ŗ.			
169	0305102BQ		Defense Imagery and Mapping Program				
184	0305208BQ		Distributed Common Ground/Surface Systems	7			
	Operatio	tional Systems Development	Development		1	t 	

Total National Geospatial Intelligence Agency

Defense Threat Reduction Agency FY 2005 RDT&E PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

o, p	a Ol	Þ	Ω		D	D		D	D		
	FY 2005	249,786	116,113	365,899	74,456		74,456	1,937		1,937	442,292
Thousands of Dollars	FY 2004	184,109	.115,497	299,606	90,338	6,438	96,776	1,838		1,838	398,220
Thousa	FY 2003	228,827	115,681	344,508	105,164	42,023	147,187	1,823	4,914	6,737	498,432
	Act	7	7		m	m		6	9		
	Item	WMD Defeat Technology	WMD Defense Technologies	Research	Counterproliferation Initiatives - Proliferation Prevention and Defeat	Arms Control Technology	Advanced Technology Development (ATD)	Critical Technology Support	Small Business Innovation Research	RDIEE Management Support	Total Defense Threat Reduction Agency
Program	Number	0602716BR	0602717BR	Applied Rese	0603160BR	0603711BR	Advanced	0605110BR	0605502BR	RDTEE Mai	otal Defense
;		. 18	19		28	36		109	121		

Counter Intelligence Field Activity FY 2005 RDIGE PROGRAM

EXHIBIT R-1

THE KOOL HOLD FOR THE

APPROPRIATION: 0400D Reservine Element No Number 171 0305127BZ Foreic Activo 173 0305146BZ Defent Program	APPROPRIATION: 0400D Research, Development, Test & Eval, DW	Thousands of Dollars	Item Act FY 2003 FY 2004 FY 2005 C	Foreign Counterintelligence 7 Activities	Defense Joint Counterintelligence 7 23,035 105,462 32,939 U Program (JMIP)	tems Development	
PROPRIATION: Program ne Element D Number 71 0305127B 73 0305146B	0400D Research, De		Iten			Operational Systems Development	
	PROPRIATION:			171 0305127B	73 0305146B	Opera	

Missile Defense Agency FY 2005 RDTEE PROGRAM

EXHIBIT R-1
Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

4	Program			Thous	Thousands of Dollars		o F	
_	Number	Item	Act	FY 2003	FY 2004	FY 2005	미	
29	0603175C	Ballistic Missile Defense Technology	ო	151,217	225,268	204,320	Þ	
	Advanced	Tachnology Development (ATD)		151,217	225,268	204,320		
63	D603869C	Meads Concepts	4	101,754			Þ	
64	0603879C	Advanced Concepts, Evaluations And Systems	4.		149,993	256, 159	D	
65	0603880C	Ballistic Missile Defense System Segment	4	1,026,566			D	
99	0603881C	Ballistic Missile Defense Terminal Defense Segment	4	134,093	874,527	937,748	D	
67	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4.	3,056,035	3,724,066	4,384,775	b	
89	0603883C	Ballistic Missile Defense Boost Defense Segment	4	705, 643	617,270	492, 614	, Þ	
70	0603884C	Ballistic Missile Defense Sensors	4	327,013	425,421	591,957	D	
7.1	0603886C	Ballistic Missile Defense System Interceptor	4	·	117,719	511,262	D	
72	0603888C	Ballistic Missile Defense Test & Targets	4		633,782	713,658	D	
73	0603889C	Ballistic Missile Defense Products	4		305,309	418,608	Þ	
74	0603890C	Ballistic Missile Defense Systems Core	4		445,356	479,764	Ω	
	Advanced	Component Development & Prototypes		5,351,104	7,293,443	8,786,545		
87	0604861C	Theater High-Altitude Area Defense System - TMD	ĸ	864,216			D	
88	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	ιΛ	138,922			Þ	
	* System De	System Development and Demonstration (SDD)	,	1,003,138		# 		

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Missile Defense Agency FY 2005 RDT&E PROGRAM

EXHIBIT R-1	Date: FEB 2004	es a	FY 2005 C
		Thousands of Dollars	FY 2004
ROGRAM		Thous	FY 2003
FY 2005 RDT&E PROGRAM	Test & Eval, DW		Act
-	0400D Research, Development, Test & Eval, DW		Item
	PPROPRIATION: 04	Program	Number
	APPROP	T.i.o	잃

S FY 2005	D		13,884 U	141,923 U	155,807	9,146,672
Thousands of Dollars		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14,327	92,449	106,776	7,625,487
Thou FY 2003	138,791	138,791	7,432	35, 331	42,763	6,687,013
Act	ψ		•	9		
Item	Small Business Innovative Research - MDA	RDIEE Management Support	Pentagon Reservation	Management HQ - MDA	RDTEE Management Support	s Defense Agency
Program Element Number	0605502C	RDTGE M	0901585C	0901598C	RDTEE M	Total Missile De:
Line	122		136	137		F

Office of Secretary Of Defense FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

Minimant Properties Prope	,							
Name	1.5				Thous	ands of Dollars	on ≱	
Note Inches Inc	읾		Item	Act	FY 2003	FY 2004		
6011109082 Iniversity Research Initiatives 1 222,653 6011109082 High Energy Laser Research 1 11,355 0601111082 Orderment/Industry Cosponsorable 1 11,355 0601111082 Orderment/Industry Cosponsorable 1 15,197 9,578 0601111082 Defense Experimental Program to 1 15,197 9,578 0601111082 Defense Experimental Program to 2 283,645 16,274 9,590 060111082 Defense Experimental Program to 2 11,609 18,518 9,680 060212082 Medical Free Electron Laser 2 26,056 14,192 26,880 060213082 Historial Program Advanced Technology 2 6,100 11,611 10,084 060213082 High Energy Laser Research 2 6,106 77,640 59,385 060213082 High Energy Laser Research 2 6,100 11,419 2,041 Applied Research 111,662 26,056 5,941 2,043 0603104D82 Expl	H	0601101D8Z	In-House Laboratory Independent Research	r-1	2,044		D,	
601110B02 Force Health Protection 1 14,156 060111DB2 Government/Industry Cosponsorably 1 11,355 060111DB2 Government/Industry Cosponsorably 1 15,197 9,578 060111DB2 Government/Industry Cosponsorably 1 15,197 9,578 9,590 060111DB2 Grimulate Competitive Research 283,645 16,274 9,590 9,590 060227DB2 Medical Free Electron Laser 2 11,609 18,518 9,590 060223BD2 Historically Black Colleges and Universities (HBCU) Science 2 25,306 20,631 14,192 060223BD2 High Energy Laser Research 2 26,056 26,830 25,441 06023BD2 High Energy Laser Research 2 6,100 11,641 10,084 060302DB2 High Energy Laser Research 2 6,100 11,641 10,084 06031QBB2 High Energy Laser Research 2 6,100 11,641 10,084 06031QBB2 High Energy Laser Research 2 26,056 <td>м</td> <td>0601103D8Z</td> <td>University Research Initiatives</td> <td>н</td> <td>. 232, 653</td> <td></td> <td>D</td> <td></td>	м	0601103D8Z	University Research Initiatives	н	. 232, 653		D	
11,355 High Energy Laser Research 1 11,355	4	0601105D8Z	Force Health Protection	н	14,156		D	
6011110B2 Government/Industry Cosponsorship 1 9,240 6,696 0601114DB2 Defense Experimental Program to Stimulate Competitive Research 1 15,197 9,578 9,590 Basic Research 283,645 16,274 9,590 0602227D82 Medical Free Electron Laser 2 11,609 18,518 9,668 0602234D82 Listorically Black Colleges and Universities (MEUU) Science 2 26,056 20,651 14,192 0602234D82 Listorin Laboratory Research 2 26,056 26,830 25,441 0602787D82 Medical Technology 2 6,100 11,641 10,084 0602390D82 High Energy Laser Research 2 42,791 10,084 0603104D82 Explosives Demilitarization 3 17,494 5,941 2,063 060312DB2 Medical Advanced Development 3 114,374 97,291 46,719 060312DB2 Support 3 114,374 97,291 23,319 0603232DB2 Automatic Target Recognition	ß	0601108D8Z	High Energy Laser Research Initiatives	н	11,355		D .	•
Basic Research 15,197 9,578 9,590 Basic Research 283,645 16,274 9,590 Basic Research 283,645 16,274 9,590 0602227082 Medical Free Electron Laser 2 11,609 18,518 9,668 0602228082 Historically Black Colleges and Universities (HBCU) Science 2 25,306 20,651 14,192 0602234082 Lincoln Laboratory Research 2 26,056 26,830 25,441 0602234082 High Energy Laser Research 2 42,791 11,641 10,084 0602890082 High Energy Laser Research 2 42,791 11,641 20,653 0603104082 Medical Advanced Technology 3 11,494 5,941 2,063 0603121082 Explosives Demilitarization 3 18,495 33,605 32,682 0603121082 Support Combating Terrorism Technology 3 114,374 97,291 46,719 0603225082 Automatic Target Recognition 3 4,403 3 4	v	0601111D8Z	Government/Industry Cosponsorship of University Research	H	8,240	969 49	Ω	
Basic Research 283,645 16,274 9,590 0602227D8Z Medical Free Electron Laser 2 5,306 20,651 14,192 0602228D8Z Universities (HBCU) Science 2 5,056 26,056 26,651 14,192 0602234D8Z Lincoln Laboratory Research 2 6,100 11,641 10,084 060289DB8Z High Energy Laser Research 2 6,100 11,641 10,084 060289DB8Z High Energy Laser Research 2 42,791 5,941 2,063 0603104DBZ Explosives Demilitarization 3 17,494 5,941 2,063 060312DBZ Combating Terrorism Technology 3 18,495 33,605 32,682 0603122DBZ Combating Terrorism Technology 3 18,124 97,291 46,719 0603225DBZ Joint DoD-DoE Munitions 3 18,124 24,648 23,319 0603225DBZ Automatic Target Recognition 3 4,403 4,403 4,403	7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	ਜ	15,197	9,578	0,590 U	
0602239D8Z Medical Free Electron Laser 2 11,609 18,518 9,668 0602239D8Z Historically Black Colleges and Dinversities (HBCU) Science 2 25,306 20,651 14,192 0602234D8Z Lincoln Laboratory Research Program 2 26,056 26,830 25,441 0602289D8Z High Energy Laser Research Applied Research Schoology 2 42,791 11,641 10,084 0603104D8Z Explosives Demilitarization Technology 3 17,494 5,941 2,063 060312D8Z So/LIC Advanced Development 3 114,374 97,291 46,719 060312D8Z Solut Dob-DoE Munitions 3 114,374 97,291 46,719 060312D8Z Joint Dob-DoE Munitions 3 18,124 24,648 23,319 060323D8Z Automatic Target Recognition 3 18,124 24,648 23,319	. •	Basic Re	search		283,645	16,274	9,590	
060223B0B2 Historically Black Colleges and Developes and Decorations (HBCU) Science Decorated National Laboratory Research Program Program Decorated Medical Technology 2 26,336 20,651 14,192 0602890B2 Lincoln Laboratory Research Program Decorated Technology 2 6,100 11,641 10,084 0602890B2 High Energy Lager Research Applied Research Applied Research Applied Research Decorated Technology 2 42,791 5,941 20,084 0603104D82 Explosives Demilitarization Technology 3 17,494 5,941 2,063 060312D82 Combating Terrorism Technology 3 114,374 97,291 46,719 0603225D82 Joint Dob-Dob Munitions Jechnology Development 3 114,374 97,291 46,719 0603232D82 Automatic Target Recognition 3 4,403 23,319	σ	0602227D8Z	Medical Free Electron Laser	7	11,609	18,518	D 899'6	
060223408z Lincoln Laboratory Research Program 2 26,056 26,830 25,441 0602787Dsz Medical Technology 2 6,100 11,641 10,084 0602890Dsz High Energy Laser Research 2 42,791 77,640 59,385 0603002Dsz Medical Advanced Technology 3 11,496 5,941 2,063 0603104Dsz Explosives Demilitarization 3 17,494 5,941 2,063 060312Dbsz So/LIC Advanced Development 3 18,495 33,605 32,682 0603122Dsz Joint DoD-DoE Munitions 3 18,124 24,648 25,319 0603225D8z Joint DoD-DoE Munitions 3 18,124 24,648 23,319 0603232D8z Automatic Target Recognition 3 4,403 3 4,403	10	0602228D8Z	Black Colleges (HBCU) Science	, N	25,306	20,651	14,192 ·U	
0602787D8Z Medical Technology 2 42,791 11,641 10,084 Applied Research 42,791 77,640 59,385 603002D8Z Medical Advanced Technology 3 17,494 5,941 2,063 0603104D8Z Explosives Demilitarization 3 17,494 5,941 2,063 0603121D8Z SO/LIC Advanced Development 3 18,495 33,605 32,682 0603122D8Z Combating Terrorism Technology 3 114,374 97,291 46,719 0603232D8Z Joint DoD-DoE Munitions 3 18,124 24,648 23,319 0603232D8Z Automatic Target Recognition 3 4,403 4,403 3	11	0602234D8Z	Lincoln Laboratory Research Program	6	26,056	26,830	25,441 U	
Applied Research 2 42,791 5,941 5,943 5,063 0603104D8Z Explosives Demilitarization 3 17,494 2,063 0603121D8Z SO/LIC Advanced Development 3 18,495 33,605 32,682 0603121D8Z Combating Terrorism Technology 3 114,374 97,291 46,719 0603122D8Z Joint Dob-DoE Munitions 3 18,124 24,648 23,319 0603225D8Z Joint Dob-DoE Munitions 3 4,403 4,403	20		Medical Technology	7	6,100	11,641	10,084 U	
Applied Research 11,862 77,640 59,385 0603002D8Z Medical Advanced Technology 3 17,494 2,063 0603104D8Z Explosives Demilitarization 3 18,495 33,605 32,68Z 0603121D8Z SO/LIC Advanced Development 3 114,374 97,291 46,719 0603122D8Z Combating Terrorism Technology 3 114,374 97,291 46,719 0603225D8Z Joint DoD-DoE Munitions 3 18,124 24,648 23,319 0603225D8Z Automatic Target Recognition 3 4,403 53,319	21	0602890D8Z	High Energy Laser Research	7	42,791		Ω	
0603104D8Z Explosives Demilitarization 3 17,494 2,063 0603121D8Z Explosives Demilitarization 3 18,495 33,605 32,682 0603121D8Z Combating Terrorism Technology 3 114,374 97,291 46,719 0603122D8Z Joint DoD-DoE Munitions 3 18,124 24,648 23,319 0603225D8Z Joint DoD-DoE Munitions 3 4,403 24,648 23,319		Applied 1	Research		111,862	77,640	59,385	
0603121D82 Explosives Demilitarization 3 17,494 10603121D82 SO/LIC Advanced Development 3 18,495 33,605 32,682 0603122D82 Combating Terrorism Technology 3 114,374 97,291 46,719 0603225D82 Joint DoD-DoE Munitions 3 18,124 24,648 23,319 10603232D82 Automatic Target Recognition 3 4,403	24	0603002D8Z	Medical Advanced Technology	m		5,941	2,063 U	
0603121D82 SO/LIC Advanced Development 3 18,495 33,605 32,682 0603122D82 Combating Terrorism Technology Support 3 114,374 97,291 46,719 0603225D82 Joint Dob-DoE Munitions Technology Development 3 18,124 24,648 23,319 0603232D82 Automatic Target Recognition 3 4,403 4,403	25			m	17,494		D	
0603122D8Z Combating Terrorism Technology 3 114,374 97,291 46,719 0603225D8Z Joint DoD-DoE Munitions 3 18,124 24,648 23,319 0603225D8Z Automatic Target Recognition 3 4,403	26		SO/LIC Advanced Development		18,495	33,605	32,682 U	
0603225D8Z Joint DoD-DoE Munitions 3 18,124 24,648 23,319 Technology Development 3 4,403	. 27	0603122D8Z	Combating Terrorism Technology Support	ო	114,374	97,291	46,719 U	
0603232D8Z Automatic Target Recognition 3 4,403	30		Joint DoD-DoE Munitions Technology Development	m	18,124	24,648	23,319 U	
	31		Automatic Target Recognition	m .	4,403		D	

Office of Secretary Of Defense FY 2005 RDIGE PROGRAM

EXHIBIT R-1
Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

9,936 1,958 17,581 32,546 FY 2005 56,936 213,901 186,666 21,599 64,389 46,017 1,934 11,771 284,617 992,736 Thousands of Dollars 46,566 41,735 32,983 49,883 10,284 22,324 3,547 1,183 15,784 13,495 1,851 FY 2004 202,492 771,829 35,191 218,167 FY 2003 12,878 8,850 21,535 24,076 45,835 12,793 46,872 19,235 7,362 50,938 1,683 16,914 20,091 731,835 195,136 19,461 185,221 Act Strategic Capability Modernization Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology Development and R. Strategic Environmental Research Program Environmental Security Technical Certification Program Quick Reaction Special Projects Software Engineering Institute Advanced Sensor Applications Program Counterproliferation Support Physical Security Equipment Advanced Concept Technology Demonstrations Technology Development (ATD) High Performance Computing Modernization Program High Energy Laser Advanced Joint Wargaming Simulation Management Office Joint Warfighting Program Special Technical Support Joint Robotics Program Technology Program Technology Link CALS Initiative Itel Advanced 0603228D8Z 0603851D8Z 0603727D8Z 0603781D8Z 0603826D8Z 0603832D8Z 0603942D8Z 0605160D8Z 0603709D8Z 0603736D8Z 0603910D8Z 0603704D8Z 0603750D82 0603924D8Z 0603714D8Z 0603400D8Z 0603716D8Z 0603755D8Z Program Element Number 75 Line No 42 26 09 34 35 38 33 41 20 52 53 54 55 58 61 62

*Office of Secretary Of Defense FY 2005 RDIGE PROGRAM

EXHIBIT R-1

APPRO	PRIATION: 0400	APPROPRIATION: 0400D Research, Development, Test & Eval, DW	1, DW			Date: FEB 2004	
Line	Program Element			Thousa	Thousands of Dollars	O) E	
윒	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
92	0603920D8Z	Humanitarian Demining	4	12,627	13,108	13,747 U	
77	0603923D8Z	Coalition Warfare	4	6,545	5,822	5,886 U	
78	0604400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Component and Prototype Deve	4			422,873 U	
79	0604722D82	Joint Service Education and Training Systems Development	4	961	987	D	
8	0605017D8Z	Reduction Of Total Ownership Cost	4			27,351 U	
	Advanced	Component Development & Prototypes		150,068	105,058	531,755	
81	0303191D8Z	Joint Electromagnetic Technology (JET) Program	4	10,063	14,944	0,679 U	
	Advanced	Advanced Component Development & Prototypes		10,063	14,944	6,679	
83.	0604618D8Z	MANPADS Defense Program	S		2,958	14,135 U	
84	0604709D8Z	Joint Robotics Program	ß	27,326	21,381	13,845 U	
98	0604771D82	Joint Tactical Information Distribution System (JTIDS)	ທ	10,122	10,478	18,515 U	
06	0605013D8Z	Prototype Accounting Systems	S	8,889		D	
93	0605016D8Z	Financial Management System Improvements	Ŋ	67,191	45,098	. 94,767 U	
	System De	System Development and Demonstration (SDD)		113,528	79,915	141,262	
100	0901200D8Z	BMMP Domain Management and Systems Integration	ഗ		4,480	7,472 U	
	System De	System Development and Demonstration (SDD)		‡ † 1	4,480	7,472	
101	0603704D8Z	Special Technical Support	9			19,274 U	
102	0603757D8Z	Training Transformation (T2)	.vo		2,909	. D	
103	0603835D8Z	Transformation Initiatives Program	9			U 776,6	
104	0603858D8Z	Unexploded Ordnance Detection and Clearance	9	1,109		D ·	

Office of Secretary Of Defense FY 2005 RDTEE PROGRAM

EXHIBIT R-1

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Date: FEB 2004		FY 2005	19, 691	4,989	7,263	30,618	21,535		35,572	5,882	28,508		35, 633	11,490	4,830			1,999	19,591	8,882	265,734
	Thousands of Dollars	FY 2004	15,336		7,053	29,762	19,388	25,529	33,421	7,718	31,342	145,835	36,464				41,541	1,997	19,388	8,808	426,491
	Thou	FY 2003			6,949	29,465	14,547	21,853	23,422	862	30,353	186,192	29,319	•		37,539	75,066	1,965	9,416	46,944	515,001
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APPROPRIATION: 0400D Research, Development, Test & Eval, DW		Itam Act	Defense Readiness Reporting System (DRRS)	Joint Systems Architecture Development	Thermal Vicar	Technical Studies, Support and Analysis	BLACK LIGHT	General Support to C3I	Foreign Material Acquisition and Exploitation	Interagency Export License Automation	Defense Travel System	Classified Program USD(P)	Foreign Comparative Testing	Support to Networks and Information Integration	General Support to USD (Intelligence)	Small Business Innovative Research	Classified Programs - C3I	Small Business Innovation Research/Challenge Administration	Force Transformation Directorate	Development Test and Evaluation	RDT&E Management Support
RIATION: 040	Program Element	Number	0604774D8Z	0604875D82	0604943D8Z	0605104D8Z	0605114D8Z	0605116D8Z	0605117D8Z	0605123D8Z	0605124D8Z	0605128D8Z	0605130D8Z	0605170D8Z	0605200D8Z	0605502D8Z	0605710D8Z	0605790D8Z	0605799D8Z	0605804D8Z	RDTEE MA
APPROPI	Line	읽	105	106	107	108	110	111	112	113	114	116	117	118	119	123	125	126	128	131	

Office of Secretary Of Defense FY 2005 RDIER PROGRAM

EXHIBIT R-1
Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DM

1001018D8Z NATO Joint STARS 7 24,363 30,399 U Operational Systems Development 24,363 30,399 U Total Office of Secretary Of Defense 2,340,094 1,945,386 2,332,926
Secretary Of Defense 2,340,094 1,945,386

Defense Adv Research Projects Agcy

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

EXHIBIT R-1	Date: FEB 2004
FY 2005 RDIEE PROGRAM	, MO
FY 2005 RD	:, Test & Eval, DW
	Development,
	ä

Defense Research Sciences 1 171,383 139,434 143,729 143,729 171,383 139,434 143,729 171,383 139,434 143,729 171,383 139,434 143,729 171,383 139,434 143,729 171,383 139,434 143,729 171,383 139,434 143,729 172,000 17	Program		÷	Thous	Thousands of Dollars		OJ E
Research 1 171,383 139,434 143,729 Research 171,383 139,434 143,729 Computing Systems and Computing Systems and Pervasive Computing Systems and Pervasive Computing Systems 2 54,870 13,250 342,614 Biological Marfare Defense Computing Short and Electronics Computing Systems 2 157,861 149,105 147,533 Advanced Ascospace Systems 3 1,186,601 1,209,906 1,331,366 Advanced Ascospace Systems 3 242,095 315,941 361,067 Advanced Ascospace Systems 3 242,095 315,941 361,067 Advanced Ascospace Systems 3 246,660 1,209,906 1,331,366 Advanced Licetronics Technology 3 26,055 315,941 361,067 Sensor and Guidance Technology 3 26,164 13,751 1,331,366 Sensor and Guidance Technology 3 26,184 11,35,29 225,784 Classified DARPA Programs 3 26,184 1,437,591 1,437,591 1,558,495 Small Business Inn	Number	,	Act	FY 2003	FY 2004	FY 2005	ı Ol
171,383 139,434 149,729 149,	0601101E	Defense Research Sciences	1	171,383	139, 434	143,729	D
Computing Systems and Computing Systems and Computing Systems and Computing Systems and Pervasive Communications Technology 2 54,870 13,250 342,614 Embedded Software and Pervasive Computing 2 157,861 149,105 147,533 Biological Warfare Defense 2 156,826 247,405 339,175 Material and Electronics 2 414,437 465,450 502,044 Advanced Acrospace Systems 3 242,095 315,941 361,067 Advanced Rectronics Technologies 3 158,644 16,784 218,131 Advanced Rectronics Technology 3 26,052 336,568 337,117 Marine Technology 3 26,164 13,751 63,121 Communications Systems 3 26,164 13,751 63,121 Sensor and Guidance Technology 3 26,164 13,751 1,437,591 1,566,495 Classified DARPA Programs 3 26,164 1,437,591 1,566,495 238,131 Small Business Innovative Research 6 64,848 44,525 46,689	Basic Re	search		171,383	139, 434	143,729	
Embedded Software and Pervasive 2 54,870 13,250 147,533 Biological Warfare Defense 2 157,861 149,105 147,533 Tactical Technology 2 168,826 247,405 339,175 Materials and Electronics 2 141,437 465,450 339,175 Advanced Aerospace Systems 3 242,095 315,941 361,067 Advanced Electronics Technologies 3 242,095 315,941 361,067 Advanced Electronics Technologies 3 216,654 193,562 225,784 Command, Control and Guidance Technology 3 216,652 336,658 337,117 Marine Technology 3 26,164 13,751 218,192 238,131 Network-Centric Warfare Technology 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3 261,851 218,192 215,124 Classified DARPA Programs 3 261,851 218,192 215,124 Cad Technology Development (ATD) 1,185,297 1,437,591 1,568,495 Management HQ - R&D 6 44,525 44,525 46,689 Management HQ - R&D 6 44,525 44,525 46,689 Management Support 109,698 24,525 46,689 Management Support 1,495,297 24,525 24,6689 Management Support 1,495,297 24,525 24,6689 Management Support 1,495,297 24,6589 Management Support 2,44,525 24,6589 Management MG	0602301E	Computing Systems and Communications Technology		390,607	334, 696	342, 614	D
Biological Warfare Defense 2 157,861 149,105 147,533 Tactical Technology 2 166,826 247,405 339,175 Tachnology 3 1,186,601 1,209,906 1,331,366 Advanced Aerospace Systems 3 242,095 315,941 361,067 Advanced Electronics Technologies 3 115,654 193,562 225,784 Communications Systems 3 216,055 336,658 237,117 Marine Technology 3 26,164 13,751 218,192 233,117 Cassified DARPA Programs 3 26,164 13,751 218,192 233,117 Catassified DARPA Programs 3 261,851 218,192 233,131 Network-Centric Warfare Technology 3 26,185 31,226 31,226 Cassified DARPA Programs 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3 264,848 31,235 31,235 Small Business Innovative Research 6 44,850 44,850 44,850 Management HQ - R&D 6,689 44,850 44,850 46,689 Management Support 109,698 246,689 46,689	0602302E	Embedded Software and Pervasive Computing	8	54,870	13,250		D
Material Technology 2 168,826 247,405 339,175 Materials and Electronics 2 414,437 465,450 502,044 Technology 1,186,601 1,209,906 1,331,366 Advanced Aerospace Systems 3 242,095 315,941 361,067 Advanced Electronics Technologies 3 115,654 193,562 225,784 Communications Systems 3 115,654 193,562 225,784 Communications Systems 3 26,164 13,751 225,784 Land Warfare Technology 3 26,164 13,751 218,192 Land Warfare Technology 3 261,851 218,192 215,124 Classified DARBA Programs 3 261,851 218,192 215,124 Metwork-Centric Warfare Technology 3 261,851 218,192 215,124 Metwork-Centric Warfare Technology 3 261,851 218,192 215,124 Management HQ - R&D 6 44,850 44,525 46,689 Management Support 6 64,848 44,525 46,689 Management Support 109,698 44,656 44,688 Management Support 109,698 44,668 44,688 Management Support 109,698 44,668 44,688 Management Support 109,698 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44,688 44	0602383E	Biological Warfare Defense	2	157,861	149,105	147,533	D
Materials and Electronics 2 414,437 465,450 502,044 Technology 1,186,601 1,209,906 1,331,366 Advanced Acrospace Systems 3 242,095 315,941 361,067 Advanced Electronics Technologies 3 115,654 196,748 218,151 Communications Systems 3 115,654 193,562 225,784 Communications Systems 3 26,164 13,751 225,784 Sensor and Guidance Technology 3 26,164 13,751 225,784 Marine Technology 3 26,164 13,751 63,121 Classified DARPA Programs 3 26,164 11,437,591 1,568,495 Small Business Innovative Research 6 44,848 44,525 46,689 Management HQ - RED 6 44,864 44,525 46,689	0602702E	Tactical Technology	7	168,826	247,405	339,175	D
Advanced Aerospace Systems 3 242,095 315,941 1,331,366 Advanced Aerospace Systems 3 158,847 186,748 218,151 Advanced Electronics Technologies 3 115,654 193,562 225,784 Communications Systems 3 216,052 336,658 225,784 Sensor and Guidance Technology 3 26,164 13,751 25,784 Land Warfare Technology 3 26,164 13,751 63,121 Land Warfare Technology 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3 261,851 1,437,591 1,568,495 Small Business Innovative Research 6 44,850 44,525 46,689 Management HQ - R&D 6 44,850 44,525 46,689	0602712E	Materials and Electronics Technology	7	414,437	465,450	502,044	Þ
Advanced Aerospace Systems 3 242,095 315,941 361,067 Advanced Electronics Technologies 3 115,654 186,748 218,151 Command, Control and Communications Systems 3 216,052 336,658 225,784 Sensor and Guidance Technology 3 26,164 13,751 337,117 Marine Technology 3 26,164 13,751 63,121 Land Warfare Technology 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3 261,851 1,437,591 1,568,495 Small Business Innovative Research 6 44,850 44,525 46,689 Management HQ - R&D 6 44,850 44,525 46,689	Applied	Research		1,186,601	1,209,906	1,331,366	
Advanced Electronics Technologies 3 115,654 193,562 225,784 Command, Control and Communications Systems 3 216,052 336,658 337,117 Sensor and Guidance Technology 3 26,164 13,751 337,117 Marine Technology 3 26,164 13,751 63,121 Land Warfare Technology 3 261,851 218,192 238,131 Classified DARPA Programs 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3 261,851 1,437,591 1,568,495 Small Business Innovative Research 6 44,850 44,525 46,689 Management HQ - R&D 6 44,850 44,525 46,689	0603285E	Advanced Aerospace Systems	т	242,095	315,941	361,067	Þ
Command, Control and Communications Systems 3 115,654 193,562 225,784 Sensor and Guidance Technology 3 26,164 13,751 337,117 Marine Technology 3 164,634 81,513 63,121 Classified DARPA Programs 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3 261,851 91,226 125,124 Small Business Innovative Research 6 64,848 44,850 44,525 46,689 Management HQ - R&D 6 44,850 44,525 46,689 46,689	0603739E	Advanced Electronics Technologies	, M	158,847	186,748	218,151	D
Sensor and Guidance Technology 3 216,052 336,658 337,117 Marine Technology 3 26,164 13,751 63,121 Land Warfare Technology 3 261,851 218,192 238,131 Classified DARPA Programs 3 261,851 91,226 125,124 Network-Centric Warfare Technology 3 1,185,297 1,437,591 1,568,495 Small Business Innovative Research 6 44,850 44,525 46,689 Management HQ - R&D 6 44,850 44,525 46,689	0603760E	Command, Control and Communications Systems	т	115,654	193,562	225,784	Ð
Marine Technology 3 26,164 13,751 63,121 Land Warfare Technology 3 164,634 81,513 63,121 Classified DARPA Programs 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3 1,185,297 1,437,591 1,568,495 ced Technology Development (ATD) 6 44,850 44,525 46,689 Management HQ - R&D 6 44,850 44,525 46,689 Management Support 109,698 44,525 46,689	0603762E	Sensor and Guidance Technology	ю	216,052	336, 658	337,117	D
Land Warfare Technology 3 164,634 81,513 63,121 Classified DARPA Programs 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3	0603763E	Marine Technology	m	26,164	13,751		Þ
Classified DARPA Programs 3 261,851 218,192 238,131 Network-Centric Warfare Technology 3	0603764E	Land Warfare Technology	m	164,634	81,513	63, 121	D
Network-Centric Warfare Technology 3 91,226 125,124 ced Technology Development (ATD) 1,185,297 1,437,591 1,568,495 Small Business Innovative Research 6 44,850 44,525 46,689 Management HQ - R&D 6 44,850 44,525 46,689 Management Support 109,698 44,525 46,689	0603765E	Classified DARPA Programs	m	261,851	218,192	238, 131	Ð
ced Technology Development (ATD) 1,185,297 1,437,591 1,568,495 Small Business Innovative Research 6 44,848 46,689 Management HQ - R&D 6 44,850 44,525 46,689 Management Support 109,698 44,525 46,689	0603766E	Network-Centric Warfare Technology	ຕົ		91,226	125, 124	D
Small Business Innovative Research 6 44,850 44,525 46,689 Management HQ - R&D 6 44,525 46,689 Management Support 109,698 44,525 46,689	Advanced	Technology Development (ATD)		1,185,297	1,437,591	1,568,495	
Management HQ - R&D 6 44,850 44,525 46,689 Management Support 6 44,525 46,689	0605502E	Small Business Innovative Research	9	64,848			Ф
109,698 44,525	0605898E	ŧ	9	44,850	44,525	46, 689	 D
	RDTEE Ma	nagement Support		109,698	44,525	46,689	

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Agey	
Projects	PROGRAM
r Research	2005 RDIGE
Defense Ad	E

Date: FEB 2004	es es	FY 2005 C	D		3,090,279
	Thousands of Dollars	FY 2004			2,831,456
	Thou	FY 2003	2,000	2,000	2,654,979
ral, DW		Act	9		
0400D Research, Development, Test & Eval, DW		Item	Financing for Cancelled Account Adjustments	RDTEE Management Support	nse Adv Research Projects Agcy
APPROPRIATION: 0400D	Program	Number	36666060	RDTEE	Total Defense Adv
APPROF	•	잃	139		н

National Security Agency FY 2005 RDIEE PROGRAM

EXHIBIT R-1

Date: FEB 2004	Thousands of Dollars	FY 2004 FY 2005 C				477,791 477,846 U						
		FY 2003				473,128						
val, DW		Act			7	7	7	7	7	7	7	7
00D Research, Development, Test & Eval, DW		Item	Intelligence Support to Information Operations (IO)	RDT&E Management Support	Cryptologic Activities	Information Systems Security Program	Intelligence Support to Information Operations (IO)	Dragon U-2 (JMIP)	Airborne Reconnaissance Systems	Manned Reconnaissance Systems	Distributed Common Ground/Surface Systems	Tactical Cryptologic Activities
APPROPRIATION: 0400D	Program	Number	0305193G	RDT&E M	0301011G	0303140G	0305193G	0305202G	0305206G	0305207G	0305208G	03058856
APPROP	-	N _S	135		147	159	178	181	182	183	185	189

Total National Security Agency

190 0305889G Counterdrug Intelligence Support
Operational Systems Development

The Joint Staff FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

υÞ	OI.	D		D	D	,	n		Ð		
	FY 2005	86,409	86,409	1,663	5,577	7,240	4,177	4,177	22,421	22,421	120,247
Thousands of Dollars	FY 2004	85,078	85,078	1,448	7,129	8,577	4,139	4,139	28,921	28,921	126,715
Thousa	FY 2003	74,905	74,905		8,509	8,509	9,466	9,466	16,404	16,404	109,284
	Act	•		7	. L		7		7		
	Item	Joint Theater Air and Missile Defense Organization	RDT&E Management Support	Classified Programs	Joint Analytical Model Improvement Program	onal Systems Development	C4I for the Warrior	onal Systems Development	0902298J Management Headquarters (JCS)	onal Systems Development	int Staff
Program Element	Number	0605126J	RDTEE MA	0208043J	0208052J	Operational	0303149J	Operational		Operational	Total The Joint
Line	읽	115		143	145		160		194		H

Defense Information Systems Agency FY 2005 RDIEE PROGRAM

EXHIBIT R-1
Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

c,	M OI	Þ		Þ	Ω	D	Ð	D		D		D		D	D	Ω	Þ	Þ	n	D	D
	FY 2005	18,183	18,183	6, 623	2,493	17,867	3,000	3,466	33,449	45,203	45,203	41,074	41,074	1,240	2,517	11,401		7,261	24,712	43, 693	18,941
Thousands of Dollars	FY 2004	16,673	16,673	9,662	9,688	16,396		7,137	39,883	43,494	43,494	43,122	43,122	1,116	2,423	1,380		7,089	36,489	50,400	16,565
Thous	FY 2003	25,480	25,480	11,279	18,005	16,709		24,165	70,158	42,963	42,963	44,696	44,696	1,016	6,802	. 1,602	4,275	7,641	19,103	17,421	15,667
		10 :																			
	Act	υ.		Ŋ	ю	2	S	Ŋ		9		7		7	7	7	7	7	7	7	7
,	Item	Advanced IT Services Joint Program Office (AITS-JPO)	System Development and Demonstration (SDD)	Defense Message System	Information Systems Security Program	Global Combat Support System	Joint Command and Control Program (JC2)	Electronic Commerce	System Development and Demonstration (SDD)	Defense Technical Information Services (DTIC)	RDIEE Management Support	C41 Interoperability	Operational Systems Development	National Military Command System-Wide Support	Defense Info Infrastructure Engineering and Integration	Long-Haul Communications - DCS	Support of the National Communications System	Minimum Essential Emergency Communications Network (MEECN)	C4I for the Warrior	Global Command and Control System	Joint Spectrum Center
Program	Element	0604764K	System	0303129K	0303140K	0303141K	0303158K	0305840K	System 1	0605801K	RDTEE M	0208045K	Operation	0302016K	0302019K	0303126K	0303127K	0303131K	0303149K	0303150K	0303153K
Prog		90		0	ö	0	6	0		0		0		0	ö	Ö	0	0	0	6	6

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Defense Information Systems Agency FY 2005 RDT&E PROGRAM

APPROPRIATION: 0400D	0400D Research, Development, Test & Eval, DW	l, DW			Date: FEB 2004	4
g :			Thous	Thousands of Dollars		o) E
Number	Item	Act	FY 2003	FY 2004	FY 2005	101
0303165K	Defense Collaboration Tool Suite (DCTS)	7		12,689	8,503	D.
0303170K	Net-Centric Enterprise Services (NCES)	7		30,364	52,059 U	D
0303610K	Teleport Program	7	6,911	10,304	10,272	Ω
E L	Operational Systems Development		80,438	168,819	180,599	
eţe	Total Defense Information Systems Agency		263,735	311,991	318,508	

Defense Intelligence Agency FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

FY 2005 Thousands of Dollars FY 2004 FY 2003 APPROPRIATION: 0400D Research, Development, Test & Eval, DW ¥¢ Distributed Common Ground/Surface Systems. General Defense Intelligence Program Intelligence Support to Information Operations (IO) Defense Human Intelligence (HUMINT) Program (DHIP) Management HQ - GDIP Item 0305193L 0305208L 0301398L 0305183L 03013011 Program Element Number 179 186 175 148 Line 150

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Total Defense Intelligence Agency

Operational Systems Development

Intelligence Planning and Review Activities

Hard and Deeply Buried Target (HDBT) Intel Support

0305883L

187

0305884L

188

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Defense Contract Audit Agency FY 2005 RDT&E PROGRAM

EXHIBIT R-1

Date: FEB 2004	SO F	FY 2005 C	Ω		
	Thousands of Dollars	FY 2004			
	Thou	FY 2003	. 537	537	537
val, DW	٠.	Act	7		• .
400D Research, Development, Test & Eval, DW		Item	Information Technology Systems	ional Systems Development	se Contract Audit Agency
APPROPRIATION: 040	Program	Number	0300205R	Operation	Total Defense
APPROP	•	욁	146		Ă

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Defense Logistics Agency FY 2005 RDT&E PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

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	FY 2005	27,542		27,542	S I	2,345	7,279	7,279	11,005	6	22,394	29,560
Thousands of Dollars	FY 2004	123,111	3,710	126,821	2,335	2,335	5,035	5,035	45,871	35,401	81,272	215,463
Thousa	FY 2003	130,577	5,750	136,327			6,625	6,625	20,741	28,182	48,923	191,875
	Act	е	m		5		ø		7	<i>L</i> .		
	Item	Generic Logistics R&D Technology Demonstrations	Dual Use Application Programs	Advanced Technology Development (ATD)	Electronic Commerce	System Development and Demonstration (SDD)	Defense Technology Analysis	RDT&E Management Support	Industrial Preparedness	Logistics Support Activities	onal Systems Development	Total Defense Logistics Agency
Program	Number	06037128	06038058	Advance	03058408	System	06057988	RDICE M	07080115	07080125	Operational	otal Defens
;		37	. 21		66		127		192	193		.

DoD Human Resources Activity FY 2005 RDIEE PROGRAM

EXHIBIT R-1

Date: FEB 2004	60 B	FY 2005 C	13,756 U	13,756	52,407 U	52,407	10,598 U	10,598	76,761
	Thousands of Dollars	FY 2004	13,611	13,611		1 1 1 1 1 1 1 1 1	15,286	15,286	28,897
	Thou	FY 2003	15,230	15,230		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12,666	12,666	27,896
Eval, DW		Act	m		ment 5		nt, 6		
APPROPRIATION: 0400D Research, Development, Test & Eval, DW		Item	Distributed Learning Advanced Technology Development	Advanced Technology Development (ATD)	Information Technology Development	System Development and Demonstration (SDD)	R&D in Support of DoD Enlistment, Testing and Evaluation	RDIEE Management Support	Total DoD Human Resources Activity
RIATION: 0400	Program	Number	0603769SE	Advanced	0605014SE	System De	0605803SE	RDTEE Mar	otal DoD Huma
APPROP	! !		4 6		91	:	130	.·	. 😝

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Defense Security Cooperation Agency FY 2005 RDTGE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

Line No 141

Date: FEB 2004

a co	FY 2005 C	6,995 U	6,995	566,9
Thousands of Dollars	FY 2004	5,840	5,840	5,840
Thous	FY 2003	2,739	2,739	2,739
	Act	7		
	Item	Partnership for Peace (PfP) Information Management System	onal Systems Development	Security Cooperation Agency
Program	Number	0605127T	Operational	Total Defense Sec

Defense Security Service FY 2005 RDT&E PROGRAM

	Thousands of Dollars	FY 2004	
	Thous	FY 2003	463
t & Eval, DW		Act	7
APPROPRIATION: 0400D Research, Development, Test & Eval, DW		Item	Foreign Counterintelligence
RIATION: 04	Program	Number	172 0305127V
APPROP		N N	172

2	PRIATION:	0400D	Research,	ROPRIATION: 0400D Research, Development, Test & Eval, DW	Test & Eval,	DW			Date: FEB 2004	04
	Program						Thous	Thousands of Dollars		o t
8	Klement Number		н	Item	MI.	Act	FY 2003	FY 2004	FY 2005	a Ol
0	0305127V		Foreign Cou Activities	Foreign Counterintelligence Activities	nce	7	463			D
	Opera	atíona	1 Systems	Operational Systems Development			463) 	
	Total Def	ense g	Total Defense Security Service	brvice			463		\$ { { { { { { { { { { { { { { { { { { {	
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